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A C De Pasquale V De Paula A M de Paula A M De Porto G de Porto G De Porto G de Pretis A De Santis R de Schutter F de Silva E De Souza R A De Souza S De Souza Santos P De Stefano A De U De Vekey R C de Vekey R C de Villanueva L De Villaris A de Villiers D De Villiers M G De Vita A de Vries A H de Vries J W C de Vries M J de Vuono A De Wijn J De Wijn J R de Wild W R de Wit J B De Wit J H W De With B de With B de With G De With G de Witte B Deal M D DeArellano-Lopez A R Debal F Debnath R Debray K Debroy T DebRoy T Dechamps M Decroix G-M Devon N V Deen M J Deepak A Deepak Kumar N Defer D Defisque L Deguchi Y Deicher M Deighton A D Deis T A	76-04763A 76-05359C 76-00040A 76-03256C 76-06152A 76-01513A 76-02464A 76-00638C 76-08332A 76-02790C 76-00495C 76-00536C 76-02947C 76-03559A 76-03196C 76-06894A 76-08132A 76-00264A 76-04123C 76-02593A 76-07153A 76-02284A 76-07023C 76-08268C 76-08521C 76-08561A 76-08651A 76-07129A 76-01208A 76-07406A 76-05835A 76-03084C 76-05469C 76-03927A 76-04934A 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EFFECT OF WATER-REDUCING AGENTS ON PHYSICAL PROPERTIES  
EFFECT OF  $Zn$  ADDITION ON ALUMINA-CARBON MATERIALS  
EFFECTS OF  $CaO$  ADDITION ON SINTERING AND MECHANICAL  
EFFECTS OF  $CaO$  ADDITION ON THE DIELECTRIC PROPERTIES  
EFFECTS OF MODIFIERS ON THE ELECTRICAL RESISTIVITY OF  
EFFECTS OF  $NaF$  UPON SINTERING TEMPERATURE OF  
EFFECTS OF ORGANICS IN CASTING SLIPS  
EFFECTS OF OXIDE ADDITIVES ON SHEET RESISTANCE OF W  
EFFECTS OF  $WO_3$  ADDITION ON THE MICROWAVE DIELECTRIC  
EFFECTS OF  $Y_2O_3$  AND  $La_2O_3$  ADDITION ON THE

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EVALUATION OF MAGNETIC-GRAPHITE-METAL BRICKS SUBJECTED TO FACTORS AFFECTING MECHANICAL PROPERTIES OF SILICON FERRIMAGNETIC CORE MATERIALS FOR MEGAHERTZ FREQUENCY GLASS-ADDED STRONTIUM FERRITE OF HIGH COERCIVITY HIGH DENSITY SELECTIVE SiO<sub>2</sub>-Si<sub>3</sub>N<sub>4</sub> ETCHING USING A HYDRATION CHARACTERISTICS OF BETA-C2S IN THE PRESENCE IMPROVED AQUEOUS DISPERSION OF SILICON NITRIDE WITH IMPROVEMENT OF PRODUCTION AND PRODUCT CHARACTERISTICS IMPROVEMENT OF THERMAL STABILITY AND FRACTURE INFLUENCE OF ADDITIVES ON THE MORPHOLOGICAL PHASE AND INFLUENCE OF ADDITIVES ON THE "FROST-MEMORY-EFFECT" OF INFLUENCE OF ANTIOXIDANTS ON THE PROPERTIES OF INFLUENCE OF CHARACTERISTICS OF ADDITIVE Al<sub>2</sub>O<sub>3</sub> POWDERS INFLUENCE OF ETHANOLAMINES ON THE HYDRATION AND INFLUENCE OF MINERALISERS ON THE SINTERING OF INFLUENCE OF OXIDIC ADDITIVES ON THE MICROSTRUCTURE INFLUENCE OF SINTERING ADDITIVES ON THE HUMIDITY INFLUENCE OF THE TYPE OF CALCIUM SULPHATE ON THE INFLUENCE OF VARIOUS ZIRCONIA ADDITIVES ON HIGH INTERACTIONS OF DISPERSANTS AND BINDERS WITH INTERACTIONS OF ORGANIC ADDITIVES WITH ALUMINA LIQUID PHASE ASSISTED SINTERING OF Li<sub>2</sub>CO<sub>3</sub> PROCESSING LIQUID PHASE SINTERING OF SILICON CARBIDE LITHIUM MANGANESE OXIDE COMPOUND AND METHOD OF LOW EXPANSION TRANSPARENT GLASS-CERAMIC LOW-FIRE DIELECTRIC FORMULATIONS BASED ON BaCuO<sub>2</sub> AS A METHOD FOR PRODUCING GLASS THIN FILM METHOD OF INCREASING MISTING IN SPRAYABLE DISPERSION METHOD OF USING ADDITIVES WITH SILICA-BASED SLURRIES METHODS FOR MAKING WC-CONTAINING BODIES MICROSTRUCTURAL EVOLUTION AND MECHANICAL PROPERTIES OF MODERN HIGH-DENSITY OXIDE CERAMICS WITH CONTROLLED MORPHOLOGICAL CONTROL OF PRECIPITATED CALCIUM MOULDED CERAMIC ARTICLES AND PRODUCTION METHOD THEREOF NEW AND BETTER ADDITIVES ENSURE FABRICATION OF QUALITY NEW POSSIBILITY FOR PORE-FORMING IN THE GLASS BODY NEW TRENDS OF FAST-FIRE CERAMIC TILE GLAZING AND ONE FIRING OF TWO-COAT ENAMEL ON-LINE SPECTROSCOPIC STUDIES OF GROUP IV ALKOXIDES ORGANIC ADDITIVES AND CERAMIC PROCESSING, 2ND EDITION:

OXIDATION BEHAVIOUR OF MgO-C BRICKS WITH VARIOUS PENETRABLE CERAMIC MATERIALS BASED ON CLAYS WITH A PHOTOINDUCED SURFACE DEPOSITION OF METALLIC SILVER IN POROSIFIERS FOR THE PRODUCTION OF LIGHTWEIGHT BRICKS POROSIFYING AGENTS FOR THE PRODUCTION OF LIGHTWEIGHT PREPARATION AND CHARACTERISATION OF HYDROXYAPATITE PREPARATION AND PROPERTIES OF CERAMICS IN THE PREPARATION OF ANATASE TITANIUM DIOXIDE PREPARATION OF ZIRCONIA AND SILICON CARBIDE WHISKER PROCESS AND APPARATUS FOR COLOURING GLASS PROCESS FOR PREPARING SILICA-TITANIA CATALYST PROCESS FOR PRODUCING CERAMIC COMPONENTS OF SILICON PROCESS OF PRODUCING SINTERED MATERIALS BASED ON PROPERTIES OF GYPSUM WITH THE ADDITION OF GUM ARABIC QUANTITATIVE CONTROL OF C2S TRANSFORMATION QUANTITATIVE HOMOGENEITY DEGREES FOR ADDITIVE ALUMINA RAW MATERIALS FOR PRODUCING COLOR CERAMIC PRODUCTS REDUCTION OF THE SULPHUR OXIDE EMISSIONS DURING TUNNEL REFRACTORY CERAMIC MASS FOR LINING THE BOTTOMS OF RELATION BETWEEN SETTING TIME AND ADDITIVES OF RESEARCH ON THE WATER RESISTANCE OF MAGNESIUM ROL OF ALUMINA CEMENT IN CASTABLE REFRACTORIES ROL OF CERIUM ADDITION TO ZnO SILICON CARBIDE REFRACTORIES WITH A SILICON BINDER SILICON NITRIDE-BASED SINTER SILVER ADDITIVES FOR CERAMIC SUPERCONDUCTORS SINTERED SILICON NITRIDE OF HIGH TOUGHNESS, STRENGTH SINTERING BEHAVIOUR OF SPINEL WITH TiO<sub>2</sub> ADDITION SINTERING HYDROXYAPATITE WITH DIFFERENT ADDITIVES SOME FACTORS AFFECTING EARLY HYDRATION OF ALKALI-SLAG SPATIAL LIGHT MODULATOR HAVING A GERMANIUM OXIDE LIGHT STUDY OF THE POROUS STRUCTURE OF HARDENED GYPSUM BY STUDY ON THE BURNABILITY AND THE PHASE FORMATION OF PC SUBSTRATE MATERIALS FOR MAGNETIC HEAD SUBSTRATE MATERIALS FOR MAGNETIC HEADS WITH LOW FLYING SULPHATE CORROSION OF PORTLAND CEMENT - PURE AND TESTS ON THE INFLUENCE OF Bivalent IONS ON SINTERING TETRATHIOLY ORTHOSILICATE-BASED GLASS COMPOSITION AND THERMAL CONDUCTIVITY OF GAS-PRESSURE-SINTERED SILICON TOUNGHEEN OF BORON CARBIDE CERAMICS BY ADDITION OF WATER REDUCERS FOR THE HIGH ALUMINA CEMENT-SILICA FUME

## ADHESION

ADHESION OF GLASS IONOMER CEMENT TO A CERAMOMETAL ADHESION TO MODEL SURFACES IN A FLOW THROUGH SYSTEM ADHESIVE BONDING: A CERAMIC ASSEMBLY PROCESS ADHESIVE BONDING OF CARBON AND CERAMIC MATERIALS ALUMINOSILICATE AIR-HARDENING MORTAR SOLUTIONS WITH CERAMIC COATING FORMING AGENT AND PROCESS FOR THE CERAMIC-METAL JOINING FOR SHAFT-HUB CONNECTIONS BY CHARACTERISATION OF GLASS IONOMERS FOR SURGICAL COATED ARTICLE HAVING IMPROVED ADHESION TO ORGANIC COATING SYSTEM FOR GLASS STRENGTH RETENTION CONTINUOUS MICROSCOPIC MEASUREMENTS OF THE PRACTICAL DIAMOND FILM DEPOSITION ON GRAPHITE EFFECT OF METALLURGICAL SLAGS ON THE COHESIVE STRENGTH FACTORS AFFECTING ADHERENCE OF SLAG ON REFRACTORIES FAILURE OF CERAMIC-FIBRE-REINFORCED PLASTIC COMPOSITES FLOAT GLASS COATING OF TITANIUM METAL GLASS AND POLYMER: WETTING AND ADHESION GLASS SHEETS CARRYING WATER-BASED PAINT I GLASSES AND BIOGLASSES: SYNTHESIS AND COATINGS GLAZING IMPROVEMENT OF DIAMOND ADHESION TO Ta<sub>2</sub>O<sub>5</sub> IZ PAD ADHESION LAYER FOR A CERAMIC SUBSTRATE JOINING OF SiC TO SiC USING A PRECERAMIC POLYMER LAMINATE CONTAINING DIAMONDLIKE CARBON AND THIN-FILM LEAD-FREE CONDUCTIVE PASTE MAGNETIC DISK WITH BORON CARBIDE OVERCOAT LAYER MAGNETIC PARTICLES COMPRISING MAGNETITE CORE AND MANUFACTURING METHOD FOR MULTILAYER CERAMIC SUBSTRATE MECHANICAL CHARACTERISATION OF GLASS-CERAMIC LAYER ON METHOD AND APPARATUS FOR DEPOSITION OF DIAMONDLIKE METHOD OF FABRICATING CERAMIC GREEN SHEETS WITH METHOD OF MAKING A DIAMOND-COATED COMPOSITE BODY NEW ADHESION PROCESS OF GLASS TO METAL USING THE REDOX NEW DESIGN OF TUNGSTEN CARBIDE TOOLS WITH DIAMOND NON-DESTRUCTIVE EVALUATION OF PLANAR SOFCS ONE FIRING OF TWO-COAT ENAMEL PICKUP APPARATUS FOR PICKING UP A CUT SHEET FROM A PLASMA ENHANCED CHEMICAL VAPOUR DEPOSITION OF PREPARATION AND EVALUATION OF Cds FILM USING PROCESS FOR A SURFACE TREATMENT OF A GLASS FABRIC PROCESS FOR THE PREPARATION OF CERAMIC MATERIALS FREE PROCESS FOR THE TREATMENT OF GLASS TO IMPROVE ITS BISAL FIBRE REINFORCED SOLI BLOCK MASONRY

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76-04661C  
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76-04630P  
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76-06478C  
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76-03500P  
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76-08424C  
76-05203P



- CONCEPT OF FUNCTIONALLY GRADED MATERIALS FOR ADVANCED JAPANESE NATIONAL PROJECT ON INTERMETALLICS AND MECHANICAL PROPERTIES OF 3-D CERAMIC MATRIX COMPOSITES
- MILITARY TURBOJET COMPONENT DESIGN AND VALIDATION WITH OXIDATION OF SILICON NITRIDE UNDER STANDARD AIR OR PARALLEL OXIDATION OF CVD SiC IN WATER VAPOUR
- SYNTHESIS AND PROCESSING OF ZnS-GAP NANOCOMPOSITES
- THEMOSTRUCTURAL CMCS: AN OVERVIEW OF THE FRENCH TITANIUM COMPOSITES: READY FOR FLIGHT
- ZIRCONIA BATTERY SEPARATORS: THEIR MANUFACTURE AND AGING
- ACCELERATING EFFECT OF WHISKERS ON THE AGEING PROCESS
- AGEING BEHAVIOUR OF SiC-REINFORCED AA 7075 COMPOSITES
- AGEING OF ALUMINOUS CEMENT IN LCC
- AGEING OF YSZ ELECTROLYTES AT 800°C
- AGEING REACTIONS IN A HIGH CARAT GOLD ALLOY FOR DENTAL
- AGEING STUDY OF NICKEL MANGANES NEGATIVE TEMPERATURE CATALYTIC CRACKING UTILIZING A CATALYST COMPRISING CHARACTERISATION OF VACUUM PLASMA SPRAYED
- CHEMICAL CHARACTERISATION OF IN VIVO AGED ZINC
- EFFECT OF AGEING CONDITIONS ON THE PORE STRUCTURAL
- EFFECT OF AGEING TIME ON PRESSURE PORE CASTING OF
- EFFECT OF AGEING TREATMENTS AT HIGH TEMPERATURES ON
- EFFECT OF Al<sub>2</sub>O<sub>3</sub> PARTICULATES ON THE PRECIPITATION
- EFFECT OF DOPANTS ON AGEING PROPERTIES FOR THE PMN-0.1
- EFFECT OF MICROSTRUCTURAL FEATURES ON THE AGEING
- EFFECT OF Mn ON AGEING OF 0.088-0.371ZrO<sub>2</sub>-TiO<sub>2</sub>-3O<sub>3</sub>
- INFLUENCE OF AGEING ENVIRONMENT ON LOW-TEMPERATURE
- MECHANICAL PROPERTIES OF CEMENT PASTES AND MORTARS AT METHOD FOR PREPARING LOW-CONCENTRATION
- NATURAL AGEING BEHAVIOUR OF CAST ALUMINA
- POWDER PROCESSING OF AA 6061 ALUMINIUM METAL MATRIX
- PROCESS FOR PREPARING A SEEDED HILICA ZEOLITE
- PROCESS FOR PRODUCING ALPHA-ALUMINA FIBRES
- PROCESS FOR PRODUCING SUBSTANTIALLY BINDER-FREE
- PROCESSING, MECHANICAL AND ELECTRICAL CHARACTERISATION
- SYNTHESIS OF ZEOLITE RHO: AGEING TEMPERATURE EFFECT
- X-RAY PHOTOELECTRON SPECTROSCOPY INVESTIGATION ON THE AGGLOMERATES
- COMPARISON OF AGGLOMERATE STRENGTH TESTING TECHNIQUES
- CRUSH RESISTANT ADSORPTIVE AGGLOMERATES OF ACTIVATED
- FORMATION AND CONTROL OF AGGLOMERATES IN ALUMINA
- METHOD FOR MAKING A BATHOS POWDER MIXTURE, THE POWDER
- METHOD OF MONITORING THE FABRICATION OF B-223
- METHOD OF PREPARING GLASS MICROFIBRES FOR USE IN
- PROCESS FOR MAKING ALUMINA AGGLOMERATES
- SILICON NITRIDE HAVING A HIGH TENSILE STRENGTH
- SURFACE TREATING ALUMINUM TRIHYDRATE POWDERS WITH
- AGGREGATE
- POROUS MULLITE AGGREGATE AND LIGHTWEIGHT CASTABLE
- AGGREGATES
- 35 YEARS OF THE WURZBURG BRICK AND TILE TRAINING
- AGGREGATE BODY
- EFFECT OF SYNTHETIC REFRACTORY AGGREGATES ON THE
- HEAT-RESISTANT MEMBER
- INFLUENCE OF COARSE AGGREGATE CONTENT ON THE THERMAL
- LOW DENSITY SiO<sub>4</sub>-CONTAINING BEADS, AGGREGATES
- LOW THERMAL EXPANSION CORDIERITE AGGREGATE AND ITS
- MODERN HIGH-DENSITY OXIDE CERAMICS WITH CONTROLLED
- MONOLITHIC REFRACTORIES
- PARTICLE AGGREGATES IN POWDER PROCESSING, A REVIEW
- PREPARATION OF SOLID AGGREGATES OF HIGH-DENSITY BORON
- PROCESS FOR PRODUCING SUBSTANTIALLY BINDER-FREE
- REFRACTORIES FOR CATALYTIC CRACKERS IN THE PETROLEUM
- SILICA NANOPARTICLES
- SINTERED COMPOSITE OF SILICON CARBIDE AND SILICON
- TESTING AGGREGATES FOR ALKALI-REACTIVITY, REPORT OF
- VARIATION OF THE SHAPE AND MORPHOLOGICAL PROPERTIES OF
- ZEOLITE AGGREGATES AND CATALYSTS
- AGING
- PROCESS FOR THE PREPARATION OF CERAMIC MATERIALS FREE
- ZEOLITE G25-11 AND ITS DYNAMIC PREPARATION PROCESS
- ALEXANDRITE
- PREPARATION OF ALEXANDRITE BY THE SOL-GEL PROCESS AND
- ALKALI
- SPECTROSCOPIC MEASUREMENTS RELATIVE TO THE NICKEL
- ALKALI RESISTANCE
- CHEMICAL MODIFICATION OF POROUS GLASS USING ZIRCONIUM
- EFFECTIVENESS OF VARIOUS ZIRCONIUM COMPOUNDS IN THE
- INTERACTION OF MULLITE-CORUNDUM REFLECTORIES AND
- PERICLASE-SPINEL BRICK FOR CEMENT KILN
- SILICON CARBIDE REFRACTORIES WITH A SILICON BINDER
- THERMAL REACTIONS OF ALKALI-LEACHED ALUMINOSILICATES
- ALKALI-SILICA REACTIONS
- CONTROL OF EXPANSION IN CONCRETE DUE TO ALKALI SILICA
- PROCESSED SILICA AS A NATURAL POZZOLAN FOR USE AS A
- ALKALINE EARTH
- ALKALINE EARTH MODIFIED GERMANIUM SULPHIDE GLASS
- ALKALIS
- ALKALI FLUOROZIRCONATE GLASSES
- ALKALI-ZINC-SILICATE GLASS-CERAMICS AND GLASSES
- GLASS MELTING METHOD WITH REDUCED VOLATILIZATION OF
- PROCESS FOR CONTINUOUS REFINING OF QUARTZ POWDER
- SEGREGATION AND TRANSPORT OF ALKALI AND ADDITIVE
- X-RAY PHOTOELECTRON SPECTROSCOPY OF ALKALI TELLURITE
- ALKOXIDES
- 29Si NMR ANALYSIS OF REACTIONS BETWEEN
- 29Si NMR INVESTIGATION OF CONDENSATION REACTIONS OF
- 29Si NMR STUDY ON CO-HYDROLYSIS PROCESSES IN
- ANISOTROPY IN HYBRID MATERIALS: AN ALTERNATIVE TOOL
- CERAMIC COMPOSITES MADE BY SOL-GEL METHOD
- CHEMISTRY OF SILICATES - SOL-GEL PROCESS FROM THE
- CRYO-SEM IMAGING OF MICROSTRUCTURES IN A CHLORATED
- HIGH-TEMPERATURE HYDROLYSIS OF ALKOXIDES TO
- NEW PHOSPHANYL-SUBSTITUTED TITANIUM AND ZIRCONIUM
- NMR AND IR SPECTROSCOPIC EXAMINATION OF THE HYDROLYTIC
- ON-LINE SPECTROSCOPIC STUDIES OF GROUP IV ALKOXIDES
- POLYIMIDE-SILICA HYBRID MATERIALS
- POWDERLESS PROCESSING FOR THE PREPARATION OF
- PREPARATION OF MAGNESIUM TITANATE, MgTiO<sub>3</sub>, FROM METAL
- PROCESSABLE ALUMINOSILICATE ALKOXIDE PRECURSORS FROM
- "SOL-GEL" PREPARATION OF HIGH TEMPERATURE
- SOL-GEL SYNTHESIS AND NMR CHARACTERISATION OF CERAMICS
- SYNTHESIS AND CHARACTERISATION OF TITANIUM OXO
- SYNTHESIS OF INORGANIC-ORGANIC HYBRIDS FROM METAL
- SYNTHESIS OF POROUS MATERIALS UTILISING PHASE
- TiO<sub>2</sub> POROUS MATERIALS OBTAINED FROM DIFFERENT
- UNSUPPORTED SiO<sub>2</sub>-BASED ORGANIC-INORGANIC MEMBRANES
- VANADIUM-OXO-BASED HYBRID ORGANIC-INORGANIC COPOLYMERS
- ALUMINA
- 76-02492A
- 76-04904A
- 76-04800C
- 76-04271C
- 76-08708A
- 76-08710A
- 76-04510C
- 76-04935C
- 76-05079A
- 76-03115A
- 76-00076A
- 76-06987A
- 76-00377C
- 76-05330C
- 76-06988A
- 76-03031C
- 76-04531P
- 76-02487C
- 76-02329A
- 76-08363A
- 76-03698A
- 76-08890A
- 76-08891A
- 76-02495A
- 76-00899A
- 76-06997A
- 76-06833A
- 76-08516A
- 76-00044A
- 76-09046P
- 76-00121A
- 76-03384A
- 76-02154P
- 76-04649P
- 76-09113P
- 76-03091C
- 76-08599A
- 76-04196A
- 76-08263C
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- 76-03662P
- 76-02686P
- 76-04645P
- 76-04848P
- 76-02180P
- 76-00501C
- 76-05204A
- 76-07355P
- 76-07299A
- 76-02531P
- 76-02884A
- 76-09022P
- 76-06360P
- 76-08538A
- 76-08539A
- 76-02967P
- 76-03742A
- 76-02148P
- 76-09113P
- 76-02930A
- 76-04665P
- 76-02174P
- 76-01382A
- 76-06789P
- 76-02193P
- 76-06747P
- 76-06792P
- 76-01518A
- 76-05452C
- 76-05169A
- 76-02867P
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- 76-05280A
- 76-00522A
- 76-01560A
- 76-06390P
- 76-00074P
- 76-05152P
- 76-07053C
- 76-05153P
- 76-05963P
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- 76-05441C
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- 76-01149A
- 76-08873A
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- 76-05825A
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- 76-05369A
- 76-02174A
- 76-06471C
- 76-06473C
- 76-01847A
- 76-01269C
- 76-07959A
- 76-06056A
- 76-01289A
- 76-03778A
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- 76-06528C
- 76-06529C
- 76-01301A
- 76-04187C
- 76-04835A
- 76-06544C
- 76-04950A
- 76-02396P
- 76-00004P
- 76-00005P
- 76-06523P
- 76-04051P
- 76-03914A
- 76-03669A
- 76-01153C
- 76-08968P
- 76-08968P
- 76-02008P
- 76-02634P
- 76-00007P
- 76-04955P
- 76-08447A
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- 76-06580P
- 76-05035P
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- 76-08462C
- 76-04748A
- 76-06582P
- 76-03935C
- 76-08465A
- 76-06583P
- 76-06582P
- 76-02070P
- 76-08466A
- 76-03683A
- 76-02080A
- 76-05989C
- 76-03685A



- DELAYED FRACTURE OF BOROSILICATE GLASS BONDED ALUMINA DENSELY SINTERED, TABULAR CERAMIC PARTS OF ALUMINUM DENSIFICATION OF CERAMIC NANOMETRE-SIZED POWDERS BY DESIGN OF CERAMIC MULTILAYER STRUCTURES: PREDICTIVE DETERMINATION OF FRACTURE TOUGHNESS IN FINE-GRAINED DETERMINATION OF THE ENERGY OF THE INTERACTIONS DETERMINATION OF THE HYDROXYL CONTENT IN GELS AND DETERMINATION OF THE MECHANICAL RESPONSE OF SINTERING DEVELOPMENT OF ALUMINA CERAMIC HEAD FOR HEM-HIP JOINT DEVELOPMENTS IN ALUMINA ABRASIVES DIELECTRIC CERAMIC COMPOSITION AND PACKAGE MADE OF THE DIFFUSION BONDING OF  $\text{SiC}/\text{Al}_2\text{O}_3$  AND  $\text{Al}_2\text{O}_3$  DIFFUSION INDUCED GRAIN BOUNDARY MIGRATION IN Cr-DOPED DIRECT COAGULATION CASTING - A NEW GREEN SHAPE
- DIRECT COAGULATION CASTING - A NEW GREEN SHAPING DIRECT DETERMINATION OF CRACK GROWTH EXPONENT AND DIRECTION OF LIQUID FILM MIGRATION INDUCED BY CHROMIC DISLOCATION DAMPING IN SAPPHIRE,  $\text{Al}_2\text{O}_3$  POLYCRYSTAL AND DISORDERING OF ALUMINA BY REPEATED FRICTIONAL CONTACT DISPERSION EFFICIENCY OF POWDERS OF THE  $\text{Al}_2\text{O}_3$ - $\text{ZrO}_2$  + DISPERSION OF ALUMINA POWDER IN THERMOPLASTIC BINDER DOPANT DISTRIBUTIONS IN RARE-EARTH-DOPED ALUMINA DOPING ELEMENTS INFLUENCE ON MICROSTRUCTURE AND DUCTILE METAL LAMINATE FIBRE COATINGS FOR CERAMIC DURABLE THERMAL BARRIER COATING DYNAMIC RECRYSTALLISATION DURING THE SLIDING WEAR OF ECOLOGICALLY BENEFICIAL DE-BINDING AND SINTERING UP TO EFFECT OF ADDED ALUMINA ON FELDSPATHIC PORCELAIN EFFECT OF AN ADDITION ON THE THERMAL CONDUCTIVITY OF EFFECT OF AN ADDED SEED ON THE PHASE TRANSFORMATION EFFECT OF CALCIUM DOPING ON THE ATOMISTIC STRUCTURE OF EFFECT OF CHARACTERISTICS OF COMPRESSIVE DEFORMATION EFFECT OF COAGULATION CHARACTERISTICS OF THE SLIP EFFECT OF COMPOSITION ON MULTISTAGE BEHAVIOUR OF EFFECT OF MECHANICAL DAMAGE ON THERMAL CONDUCTION OF EFFECT OF OXYGEN ON THE PROPERTIES OF TRANSITION EFFECT OF OXYGEN ON THE WETTABILITY OF SAPPHIRE BY EFFECT OF PARTICLE SIZE DISTRIBUTION ON THE EFFECT OF POWDER CONDITIONING ON RHEOLOGICAL BEHAVIOUR EFFECT OF PREPARATION METHOD ON THE DISPERSION AND EFFECT OF QAS ON QUALITY OF REFRACTORY RAW MATERIALS EFFECT OF RAW MATERIAL POWDER ON THE PROPERTIES OF EFFECT OF SINGLE IMPACT DAMAGE ON STRENGTH OF ALUMINA EFFECT OF SINTERING TEMPERATURE ON THE STRUCTURE OF EFFECT OF TEMPERATURE ON CHARACTERISTICS OF ALUMINA EFFECT OF THE ADDITION OF ALPHA- $\text{Fe}_2\text{O}_3$  ON THE EFFECT OF THE ADDITION OF ALPHA- $\text{Fe}_2\text{O}_3$  TO EFFECT OF  $\text{TiO}_2$  DOPING ON RAPID DENSIFICATION OF EFFECT OF YTTRIUM AND LANTHANUM ON THE TENSILE CREEP EFFECTS OF ADDITION OF POLYACRYLIC AMMONIUM ON EFFECTS OF AGGLOMERATE PROPERTIES ON EJECTION PROFILES EFFECTS OF ATMOSPHERE ON SINTERING OF ALUMINA EFFECTS OF CALCINING CONDITIONS OF KAOLINITE ON PORE EFFECTS OF  $\text{CaO}$  ADDITION ON SINTERING AND MECHANICAL EFFECTS OF HARDNESS AND FRACTURE TOUGHNESS OF TARGET EFFECTS OF METAL COATING ON THE DIFFUSION BONDING IN EFFECTS OF PARTICLE SIZE, DENSITY AND SURFACE EFFECTS OF POST-HOT ISOSTATIC PRESSING ON MECHANICAL EFFECTS OF SILICON CARBIDE NANO-PHASE ON THE WET EFFECTS OF SOLID LOADINGS ON SLIP-CAST DENSITY ELECTRICAL CONDUCTIVITY IN ALPHA- $\text{Al}_2\text{O}_3$ -Ca-BETA- $\text{Al}_2\text{O}_3$  ELECTRICALLY CONDUCTIVE CERAMICS AND THEIR USE IN ELECTRICALLY CONDUCTIVE CERAMICS WITH OXIDES OF Al ELECTROCHEMICAL CELL ELECTROPHORETIC DEPOSITION OF AQUEOUS ALUMINA SLIPS ENGINEERING OF PARTICLE INTERACTIONS IN WET PROCESSING ENHANCED DIFFUSION IN SAPPHIRE DURING MICROWAVE EQUILIBRIUM SHAPE OF INTERNAL CAVITIES IN SAPPHIRE EUROPEAN UPDATE - FUSED ALUMINA EVALUATION OF CORROSION RATE OF ALUMINA BY ROTATING EVALUATION OF LAPPING AND POLISHING DAMAGE IN BRITTLE EVALUATION OF MECHANICAL PROPERTIES FOR ALUMINA EVALUATION OF SURFACE MECHANICAL PROPERTIES OF BRITTLE EVOLUTION OF SHAPE OF DE-PRESSED CERAMIC COMPACTS EXPLOITATION OF FLY ASH FOR THE PRODUCTION OF WEAR EXTENSIONS OF POLYACRYLIC ACID AMMONIUM SALTS IN THE FABRICATING ALUMINA MOULDS FOR SLIP CASTING WITH 3-D FABRICATION OF 3Y-TZP/SUS FUNCTIONALLY GRADIENT FABRICATION OF POROUS CAST-IRON BONDED DIAMOND FAST FIRING: SINTERING UNDER HIGH THERMAL GRADIENTS FATIGUE AND CRACK GROWTH BEHAVIOUR OF ZIRCONIA FLAME HYDROLYTICALLY PRODUCED TITANIUM DIOXIDE MIXED FLOW OF PASTES IN BENT TUBES FORMATION AND CONTROL OF AGGLOMERATES IN ALUMINA FORMATION AND STABILITY OF GAMMA-ALUMINIUM OXYNITRIDE FORMATION OF ALPHA- $\text{Al}_2\text{O}_3$  FROM  $\text{Al}(\text{OH})_3$  IN THE PRESENCE FORMATION OF ALPHA- $\text{Al}_2\text{O}_3$  IN THE TEMPERATURE RANGE FORMATION OF HOLLOW SPHERICAL CERAMIC OXIDE PARTICLES FRACTOGRAPHIC ANALYSIS OF VITREOUS CALCIA-ALUMINA FRACTURE ENERGETICS OF DISSIMILAR MATERIAL JOINTS FRACTURE ENERGY OF GLASS-ALUMINA INTERFACES VIA THE FRACTURE TOUGHNESS AND STRENGTH OF 99% ALUMINA FREEFORM FABRICATION OF CERAMICS VIA STEREOLOGRAPHY FREEZE-DRIED CERAMICS FROM ALCOHOLIC SOLUTIONS GELCASTING: FROM LABORATORY DEVELOPMENT TOWARD GENERATION OF PLASMA SPRAYED OXIDE COATINGS GLASS BUBBLES FOR USE AS FILLERS IN PRINTED CIRCUIT GLASS COMPOSITION FOR A SUBSTRATE, AND SUBSTRATE FOR GLASS COMPOSITION GLASS FOR LAMINATED GLASS ARTICLES GRAIN SIZE DEPENDENT RESIDUAL MICROSTRESSES IN GREEN MACHINING OF GELCAST CERAMIC MATERIALS GROUTING LIQUID FOR INJECTION INTO THE GROUND GROWTH OF MULTIPLE WHISKERS ON ALUMINA PARTICLES BY HERTZIAN CONTACT DAMAGE IN POROUS ALUMINA CERAMICS HIERARCHY OF MICROMECHANICAL INFLUENCES ON FRICTION HIGH GLOSS DURABLE  $\text{TiO}_2$  PIGMENT HIGH PRESSURE COMPACTION AND SINTERING OF NANO-SIZE HIGH TEMPERATURE CREEP BEHAVIOUR OF SINGLE CRYSTAL HIGH TEMPERATURE SAPPHIRE OPTICAL FIBRE HIGH VELOCITY OXYFUEL SPRAYED CERAMIC COATINGS HIGH-PRESSURE SINTERING OF NANOCRYSTALLINE GAMMA- $\text{Al}_2\text{O}_3$  HIGH-STRENGTH PORCELAIN AND METHOD THEREFOR HIGH-TEMPERATURE BRIDGING IN A VITREOUS BONDED ALUMINA HIGH-TEMPERATURE COATING ON CERAMIC SUBSTRATE AND HIGH-TEMPERATURE RESISTANT SILICON NITRIDE CERAMIC HIGH-TEMPERATURE STABLE CONTINUOUS FILAMENT HONING OF OXIDE CERAMICS HYDROLYSIS-ASSISTED SOLIDIFICATION (HAS): A NEW HYDROTHERMAL SYNTHESIS OF ALUMINA-DOPED AND UNDOPED IMPORTANT PARAMETERS IN PRESSURE CASTING OF  $\text{Al}_2\text{O}_3$  IMPROVED TRIBOLOGICAL PROPERTIES OF  $\text{Al}_2\text{O}_3$  CERAMICS DUE INFLUENCE OF ACIDITY ON THE ELECTROSTATIC STABILITY OF
- INFLUENCE OF ADDITIONAL MECHANIC ENERGY ON HIGH INFLUENCE OF  $\text{CuO}_2$  AND  $\text{Cu}_2\text{O}$  INTERPHASES ON CRACK INFLUENCE OF A LIQUID PHASE ON THE MICROSTRUCTURE INFLUENCE OF LOAD REVERSALS UPON THE STEADY GROWTH OF INFLUENCE OF MICROSTRUCTURE OF TRANSITION LAYER ON INFLUENCE OF PEPTISATION ON THE PROPERTIES OF ALUMINA INFLUENCE OF POWDER CHARACTERISTICS AND ORGANIC INFLUENCE OF POWDER CHARACTERISTICS ON SINTERABILITY INFLUENCE OF POWDER PARTICLE SIZE CHARACTERISTICS ON INFLUENCE OF R-CURVE BEHAVIOUR ON STRENGTH DEGRADATION INFLUENCE OF SHAPING METHOD ON THE GRAIN SIZE INFLUENCE OF SLIP RHEOLOGY ON PRESSURE CASTING OF INFLUENCE OF SOLID TYPE AND CONTENT ON THE RHEOLOGICAL INFLUENCE OF TEMPERATURE ON STABILITY OF AQUEOUS INFLUENCE OF THE DISPERSANT STRUCTURE ON PROPERTIES OF INFLUENCE OF THE NITROGEN IMPLANTATION ENERGY ON THE INFLUENCE OF THE OXYGEN PRESSURE ON THE CHEMICAL STATE INJECTION MOULDING OF ALUMINA SHAPES IN-SITU REAL TIME MONITORING OF THE POLYMERISATION IN INTERACTIONS OF DISPERSANTS AND BINDERS WITH INTERACTIONS OF ORGANIC ADDITIVES WITH ALUMINA INTERFACIAL REACTIONS BETWEEN SAPPHIRE AND INVESTIGATION OF THE HYDRATION AND DEHYDRATION OF ION BEAM MIXING, DIFFUSION, AND PHASE STABILITY IN JOINING OF ALUMINA CERAMICS TO METAL BY SOLUTION JOINING POROUS AND DENSE  $\text{Al}_2\text{O}_3$  CERAMICS WITH GREEN KINETICS OF THE SINTERING OF COMPACTED ITEMS FROM LADLE PORT ASSEMBLY LAMINATE CONTAINING DIAMONDOLE CARBON AND THIN FILM LASER ABLATION DEPOSITION OF Pd ON AMORPHOUS ALUMINA LOW-PRESSURE CVD OF GaN FROM  $\text{GaCl}_3$  AND  $\text{NH}_3$  LOW-TEMPERATURE DECOMPOSITION OF HYDRATED TRANSITION MACROSCOPIC MODELLING OF THE REACTION BONDING OF MEDIA-BASED BETA-ALUMINA SINTERED BODIES AND A MAGNETIC HEAD MAGNETIC PARTICLES FOR MAGNETIC RECORDING MEDIUM AND MAGNETIC RECORDING MEDIA HAVING A MAGNETIC LAYER MAGNETIC RESONANCE STUDIES OF HIGH-RESISTIVITY GaN MASTER SINTERING CURVE: A PRACTICAL APPROACH TO MEASUREMENT OF CRACK TIP TOUGHNESS IN ALUMINA AS A MEASUREMENT OF FRACTURE TOUGHNESS AND WORK-OF-FRACTURE MEASURING FORCES BETWEEN ALPHA- $\text{Al}_2\text{O}_3$  SURFACES USING MECHANICAL ANALYSIS OF PROPERTIES OF NANO- $\text{Al}_2\text{O}_3$  MECHANICAL CHARACTERISATION BY NANOHARDENATION OF MECHANICAL PROPERTIES OF ALUMINA CERAMICS MEDICAL APPLICATIONS OF ALUMINA CERAMICS METAL COATING ONTO INORGANIC POWDER METAL-CERAMIC COMPOSITE STRUCTURE METHOD FOR CALCULATING THE PRESSURE DROP IN HONEYCOMB METHOD FOR FORMATION OF INVISIBLE MARKING AND METHOD METHOD FOR FORMING A NONDEGRADING REFLECTIVE COATING METHOD FOR IMPROVING THE TOUGHNESS OF SILICON CARBIDE METHOD FOR MAKING AN ABRASIVE ARTICLE METHOD FOR PRODUCING CATALYST-GRADE  $\text{Al}_2\text{O}_3$  FROM METHOD FOR PRODUCING SILICA-ALUMINA FIBRE METHOD FOR PRODUCTION OF SPINEL SINGLE CRYSTAL METHOD OF ALUMINUM OXIDE LOW PRESSURE CHEMICAL VAPOUR METHOD OF CLEANING AN EXHAUST GAS AND EXHAUST GAS METHOD OF COATING A BODY WITH AN ALPHA- $\text{Al}_2\text{O}_3$  COATING METHOD OF MAKING ALPHA-ALUMINA-BASED ABRASIVE GRAIN METHOD OF MAKING ALUMINA ABRASIVE GRAIN HAVING A METAL METHOD OF MAKING A BORON CARBIDE CERMET WITH AN METHOD OF MAKING CERAMIC ABRASIVE GRITS METHOD OF MAKING OPTICAL FIBRE WITH LOW MELTING GLASS METHOD OF MAKING PARTS OUT OF AN ALUMINA MATRIX METHOD OF MAKING A TRANSLUCENT POLYCRYSTALLINE ALUMINA METHOD OF MAKING A VACUUM-TIGHT SEAL BETWEEN A CERAMIC METHOD OF MANUFACTURING ALUMINIUM NITRIDE METHOD OF TREATING ALUMINA TRIHYDRATE CONTAINING METHODS OF POLISHING SEMICONDUCTOR SUBSTRATES MONOCRYSTALLINE ALPHA- $\text{Al}_2\text{O}_3$  IN ZERO-CEMENT CASTABLES MICROSTRUCTURAL CHARACTERISATION OF ALUMINA AND MICROSTRUCTURAL UNIFORMITY AND HOMOGENEITY IN ALUMINA MICROSTRUCTURE AND SURFACE CONDITIONS IN GRINDING OF MICROSTRUCTURE AND TRIBOLOGICAL BEHAVIOUR OF ALUMINA MICROSTRUCTURE AND TRIBOLOGICAL CHARACTERISTICS OF MICROSTRUCTURE OF ALUMINA GELS MADE BY INJECTION MICROSTRUCTURES OF AIN BUFFER LAYERS FOR THE GROWTH OF MICROWAVE ENHANCED SLIP CASTING OF ADVANCED CERAMICS MICROWAVE JOINING OF ALUMINA TO MAGNESIA MICROWAVE JOINING OF HIGH-PURITY ALUMINA MICROWAVE SINTERING OF SOL-GEL DERIVED ABRASIVE GRAIN MINERAL FIBRES AND THEIR COMPOSITION MIXED-MODE FRACTURE OF CERAMICS IN ASYMMETRIC MODELLING, SINTERING, MICROSTRUCTURE, AND MECHANICAL MODIFICATION OF MICROSTRUCTURE OF ALUMINA CERAMICS MODIFICATIONS OF ALPHA-ALUMINA UNDER HYDROTHERMAL MORPHOLOGICAL CONTROL OF ALPHA- $\text{Al}_2\text{O}_3$  PARTICLES MORPHOLOGICAL STUDY OF ALUMINA POWDER DERIVED FROM MORPHOLOGIES OF MONOCRYSTALLINE PHASE IN  $\text{ZrO}_2$  (2 MOL%  $\text{Y}_2\text{O}_3$ ) MOSBAUER STUDY OF AMORPHOUS  $\text{Al}_2\text{O}_3$ - $\text{Eu}_2\text{O}_3$  MOLD AND A METHOD FOR THE CASTING OF METALS AND MULTILAYER CERAMIC CIRCUIT SUBSTRATE PROCESS FOR NEARLY MONODISPERSED SINGLE CRYSTAL PARTICLES OF NEAR-SURFACE DEFORMATION IN AN ALUMINA-SILICON NET-SHAPING OF CERAMIC GREEN PARTS BY HYDROLYSIS MEASURING METHOD FOR THE OPTIMISATION OF NEW METHOD OF FRACTURE TOUGHNESS DETERMINATION IN NONMAGNETIC CERAMICS FOR RECORDING/REPRODUCING HEADS NON-REDUCED DIELECTRIC CERAMIC COMPOSITIONS NOVEL CHARACTERISATION METHOD FOR THE PROCESSING OF NUMERICAL ANALYSIS OF INTERNAL THERMAL STRESSES IN NUMERICAL ANALYSIS OF VICKERS INDENTATION ON ALUMINA OIL-RELATED DEFLOCCULANTS FOR TAPE CASTING SLIPS ON A PNEUMATICALLY CONTROLLED TENSION/COMPRESSION OPTIMISATION OF CERAMIC SLURRIES BY ESA MEASUREMENT OPTIMISATION OF SUSPENSION CHARACTERISTICS FOR SHAPING ORGANOSILICON TREATMENT OF  $\text{TiO}_2$  PIGMENT BEARING A PARTIAL TRANSIENT LIQUID PHASE BONDING OF ALUMINA PARTICLE-INHIBITED GRAIN GROWTH IN  $\text{Al}_2\text{O}_3$ -SiC, PT.1. PARTICLE-INHIBITED GRAIN GROWTH IN  $\text{Al}_2\text{O}_3$ -SiC, PT.2. PATELLA PROSTHESES PAULI PARAMAGNETIC EFFECT AND PARALLEL CRITICAL FIELD PERFORMANCE OF CERAMIC CUTTING TOOLS IN TURNING PERFORMANCE OF VENEZUELAN ALUMINA AS MATRIX MATERIAL PHASE EQUILIBRIUM RELATIONSHIPS IN THE SYSTEM PHASE TRANSFORMATION OF CALCIUM ALUMINA-MAGNESIA FIBRES PHASE-SEPARATED, NONCRYSTALLINE OPAL GLASSES PLANE PACKAGES METAL-CERAMIC MANUFACTURED OF MATERIALS PLASMA ENHANCED MICROWAVE JOINING PLASMA ETCH EQUIPMENT PLASMA VITRIFICATION OF WASTE MATERIALS

PLASTIC-TO-BRITTLE TRANSITION OF SATURATED, ALUMINA POLARISATION DEPENDENCE OF THE Cr<sup>3+</sup>-R-LINE FLUORESCENCE POLYCRYSTALLINE ANODIC ALUMINA - NEW CERAMIC MEMBRANES POROUS CHARACTERISTICS OF POROUS ALUMINA CERAMICS POROUS MATRIX AND METHOD OF ITS PRODUCTION POWDER BEHAVIOUR DURING DIE COMPACTION OF ALUMINA POWDERLESS PROCESSING FOR THE PREPARATION OF POWDERLESS PROCESSING OF CERAMIC FIBRES POWER RESISTOR, METHOD OF MANUFACTURING THE SAME, AND PRECIPITATION OF FINELY DIVIDED Al<sub>2</sub>O<sub>3</sub> POWDERS BY A PREDICTION OF EXTRUSION PRESSURE FOR A CERAMIC PREPARATION OF ALUMINA FIBRE BY SOL-GEL METHOD, PT.2. PREPARATION OF ALUMINA HAVING INCREASED POROSITY PREPARATION OF ALUMINA MEMBRANES BY TAPE CASTING AND PREPARATION OF TUBULAR ALUMINA MEMBRANE WITH UNIFORM PREPARATION OF HIGHLY CONCENTRATED ALUMINA SUSPENSION PREPARATION OF HIGH-TEMPERATURE CATALYTIC SUPPORT FROM PREPARATION OF POROUS ALUMINA AND ITS BENDING STRENGTH PREPARATION OF STABILIZED ALUMINA HAVING ENHANCED PREPARATION OF TUBULAR ALUMINA MEMBRANE WITH UNIFORM PREPARATION OF ZrO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub> POWDER BY THERMAL PREPARATIONS AND CHARACTERISATION OF MICROPOROUS PRESSURE CASTING OF HIGH-LOAD ALUMINA SUSPENSIONS PRESSURELESS SINTERING OF WHISKER-REINFORCED Al<sub>2</sub>O<sub>3</sub> PROCESS AND APPARATUS FOR FORMING PERFORATED CERAMIC PROCESS AND SLIDING COMPONENTS SO OBTAINED PROCESS FOR FORMING VERTICAL GAP IN A THIN FILM PROCESS FOR MAKING ALUMINA AGGLOMERATES PROCESS FOR MANUFACTURING A HEAT-INSULATING MATERIAL PROCESS FOR PREPARING AMORPHOUS, CATALYTICALLY ACTIVE PROCESS FOR PREPARING A MULTILAYER WIRING BOARD PROCESS FOR PRODUCING ALPHA-ALUMINA FIBRES PROCESS FOR PRODUCING ALPHA-ALUMINA POWDER PROCESS FOR PRODUCING FINE FLAKY ALUMINA PARTICLES AND PROCESS FOR PRODUCTION OF ALUMINA/ZIRCONIUM MATERIALS PROCESS FOR PRODUCTION OF ALUMINIUM HYDROXIDE FROM ORE PROCESS FOR PRODUCTION OF ZEOLITES PROCESS FOR THE PRODUCTION OF FINE-GRAINED CERAMIC PROCESS FOR THE PRODUCTION OF LONG FIBRE SILICON PROCESS FOR USING MICROWAVE PLASMA CVD PROCESS IMPROVEMENT DURING CIP BY SUPERPOSITIONING PROCESS MODEL FOR ACTIVE BRAZING OF CERAMICS, PT.1. PROCESSING AND FLEXURAL BEHAVIOUR OF ALUMINA PROCESSING OF ALUMINA-WOLLASTONITE COMPOSITE PRODUCTION, BONDING AND ELECTROCHEMICAL PRODUCTION OF ALPHA-ALUMINA PRODUCTION OF ALUMINA PROTECTIVE COATING FOR DIELECTRIC MATERIAL ON WAFER PROTONS AND DEUTERONS IN MAGNESIUM-DOPED SAPPHIRE PROTOTYPE OF A PRETREATING TEST MACHINE FOR PYROLYTIC BEHAVIOUR OF Si-Ti-C-O FIBRE IN ALUMINA QUANTITATIVE HOMOGENEITY DEGREES FOR ADDITIVE ALUMINA RAW MATERIALS FOR ALUMINA CERAMICS REACTIONS AND PHASE TRANSFORMATION IN SiO<sub>2</sub>-ZrO<sub>2</sub> REACTIVE COATING OF DOLOMITE ON ALUMINA SUBSTRATES REDISTRIBUTION OF COPPER IN KCl-PROMOTED REDUCTION OF IMPURITIES IN BAYER PROCESS ALUMINA REDUCTION OF TRANSFORMATION TEMPERATURE TO REFRACTORY OXIDE BASED SILVER-TUNGSTEN LEAN NO<sub>x</sub> REGULATING DENSITY GRADIENTS IN Si<sub>3</sub>N<sub>4</sub> CONSOLIDATION: A RELIABILITY OF ALUMINA CERAMICS, PT.2. EFFECT OF REMOVAL OF ARSENIC FROM AQUEOUS LIQUIDS WITH SELECTED RESISTOR FILM BY THERMAL DECOMPOSITION TECHNIQUE AND RF MAGNETRON SPUTTERED ALUMINIUM OXIDE COATINGS ON RHEOLOGICAL BEHAVIOUR OF A POLYMER CERAMIC BLEND RHEOLOGICAL PROPERTY AND STRESS DEVELOPMENT DURING RHEOLOGY AND EXTRUDABILITY OF ALUMINA PASTE FOR RHEOLOGY OF CONCENTRATED AQUEOUS ALUMINA SUSPENSIONS RHEOLOGY OF EXTRUDABLE ALUMINA PASTE ROLE OF LATTICE WATER IN DETERMINING THE REACTIVITY OF SCANNING FORCE MICROSCOPY STUDY OF CERAMIC FIBRES FOR SCRATCH DEFORMATION BEHAVIOUR OF ALUMINA UNDER A SHARP SELECTIVE REDUCTION OF NITROGEN OXIDE WITH PROPYLENE SEMICONDUCTOR DEVICE SENSORS SHAPING OF MULTILAYER CERAMIC MEMBRANES BY DIP COATING SHEAR MODULUS AND YIELD STRESS MEASUREMENTS OF SILICONE-COATED ALUMINA POWDERS BY THE EMULSION SINGLE-LAYER HIGH-TEMPERATURE COATING ON A CERAMIC SINTERABLE ALUMINA POWDERS SINTERED HIGH-TOUGHNESS ALUMINA-BASED COMPOSITE BODY SINTERING AND GRAIN GROWTH BEHAVIOUR OF NANOSTRUCTURED SINTERING AND MICROSTRUCTURAL DEVELOPMENT OF ALUMINA SINTERING AND MICROSTRUCTURE OF Al<sub>2</sub>O<sub>3</sub> WITH A COATING SINTERING AND MICROSTRUCTURE OF Al<sub>2</sub>O<sub>3</sub>-ZrO<sub>2</sub> CERAMICS SINTERING BEHAVIOUR OF Al<sub>2</sub>O<sub>3</sub>-TiO<sub>2</sub>-MnO DOPED WITH MnO SINTERING OF ALUMINA IN MICROWAVE-INDUCED OXYGEN SINTERING OF NANOPHASE GAMMA-Al<sub>2</sub>O<sub>3</sub> POWDER SINTERING OF POROUS ALUMINA USING MnO AND TiO<sub>2</sub> SKELETAL ISOMERISATION PROCESS FOR OLIFINS USING AN SLIP CASTING ALUMINA WITH Ni-CMC SLIP CASTING OF ALUMINA POWDER MIXTURES WITH BIMODAL SLURRY PREPARATION FOR SPRAY-DRYING PROCESS SOL-GEL ALUMINA ABRASIVE WHEEL WITH IMPROVED CORNER SOL-GEL CONCEPTS AS APPLIED TO ALUMINA CERAMICS SOL-GEL PREPARATION OF ALUMINA GELS FORMING SOL-GEL PROCESS FOR ALUMINA CERAMICS SOL-GEL PROCESSING OF ALKOXIDE-DERIVED ALPHA-Al<sub>2</sub>O<sub>3</sub> SOL-GEL PROCESSING OF METHACRYLIC ALKYL MODIFIED SOLID STATE 13C NUCLEAR MAGNETIC RESONANCE SOLID-STATE THERMAL CONVERSION OF POLYCRYSTALLINE SOME SIGNIFICANT ADVANCES IN SOL-GEL PROCESSING OF SiO<sub>2</sub>/NO<sub>x</sub> SORBENT AND PROCESS OF USE STABLE AND METASTABLE PHASE RELATIONS IN THE SYSTEM STABLE AQUEOUS ALUMINA SLIP AND METHOD FOR PREPARING STRENGTH AND TOUGHNESS OF ALUMINA-ZIRCONIA CERAMICS STRUCTURAL CHANGE IN PLASMA-SPRAYED ALUMINA COATINGS STRUCTURE AND MECHANICAL BEHAVIOUR OF CERAMIC FOAMS STRUCTURE OF SPINNABLE SOLUTION OF TRIETHYLALUMINIUM STUDY OF HIGH-TEMPERATURE PROPERTIES AT INTERPHASE STUDY OF THE PROCESSING PARAMETERS INVOLVED IN THE STUDY ON FABRICATION OF Al<sub>2</sub>O<sub>3</sub>-ZrO<sub>2</sub> INORGANIC MEMBRANES SUBSTRATE CONFIGURATION FOR CATALYTIC COMBUSTION SUBSTRATE MATERIALS FOR MAGNETIC HEAD SUPERPLASTICITY OF CERAMIC MATERIALS, PT.2. EFFECT OF SUPERPOLISHING AGENT, PROCESS FOR POLISHING HARD SUPER-WATER-REPELLENT AL<sub>2</sub>O<sub>3</sub> COATING FILMS WITH HIGH SURFACE ACOUSTIC WAVE FILTER WITH AN OPTIMIZING SURFACE FINISH AND MECHANICAL PROPERTIES OF COMMERCIAL SURFACE MODIFICATION OF ALUMINA POWDER FOR LPM SURFACE PROPERTIES OF NITRIC ACID-TREATED ALUMINA

SYNTHESIS OF NANOMETRE-SIZED POWDERS OF ALUMINA AND SYNTHESIS OF WELL-SINTERABLE ALUMINA POWDER BY SYNTHESIS OF ZrO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub> ULTRAFINES COMPOSITES AND TAPE CASTING OF ALUMINA IN WATER WITH AN ACRYLIC LATEX TAPE CASTING USING UV CURABLE BINDERS TAPE-CAST CERAMIC MEMBRANES FOR MICROFILTRATION TEM STUDY OF THE SURFACE MORPHOLOGY OF EXTRACTED TEMPERATURE SENSOR HAVING A CERAMIC SUBSTRATE WITH LOW TEXTURE OF COKE DEPOSITING ON GAMMA-Al<sub>2</sub>O<sub>3</sub> BIPOROUS THERMAL WAVE ANALYSIS OF COMPACTION OF GRANULAR MATERIALS THERMAL DEBINDING OF INJECTION MOULDED CERAMICS THERMAL SHOCK BEHAVIOUR OF A COARSE GRAIN POROUS THERMAL STABILITY OF TRANSITION PHASES IN THERMAL STRESS RELAXATION TYPE CERAMIC COATED THERMAL WAVE ANALYSIS OF CONTACT DAMAGE IN CERAMICS: THERMALLY STABLE RHODIUM/ALUMINA CATALYSTS THERMODYNAMIC ANALYSIS OF CERAMIC OXIDE/LIQUID METAL THERMOELECTRIC COUPLE DEVICE THERMOSTABLE AND BIOLOGICALLY SOLUBLE MINERAL FIBRE THICKNESS DEPENDENCE OF REFRACTIVE INDEX FOR ANODIC THIN FILM MAGNETIC HEAD INCLUDING LIGHTNING ARRESTER TOUGHENING ALUMINA WITH COPPER AND IRON INCLUSIONS TOUGHNESS DETERMINATION OF ZIRCONIA TOUGHENED ALUMINA TRANSFORMATION AND DENSIFICATION OF NANOCRYSTALLINE TRANSPARENT LIQUID-PHASE BONDING OF ALUMINA AND METAL TRANSIENT LIQUID-PHASE INSERT METAL BONDING OF Al<sub>2</sub>O<sub>3</sub> TRANSLUCENT POLYCRYSTALLINE ALUMINA TRANSLUCENT POLYCRYSTALLINE ALUMINA AND METHOD OF TRANSPORT PROPERTIES OF TITANIUM-DOPED ALPHA-ALUMINA: TREATMENT METHOD FOR URBAN WASTE INCINERATION RESIDUES TREATMENT OF CERAMIC CRACK FOR LINING CEMENTS, NOVEL ULTRAFINE ALUMINA PARTICLES PREPARED BY ULTRASONIC CHARACTERISATION OF ZIRCONIA-TOUGHENED ULTRASONIC MACHINING OR CERAMICS ULTRASONIC NON-DESTRUCTIVE EVALUATION OF ALUMINA ULTRASONIC-ASSISTED GRINDING OF HIGH PERFORMANCE ULTRAVIOLET RAY ABSORBENT COLOURED GLASS UNISINTERED PERFORATED CERAMIC FIBRE PLATES USEFUL AS UREA FORMALDEHYDE AS PRECURSOR FOR PREPARATION OF USE OF O<sub>15</sub> CHARGE REFERENCE FOR THE X-RAY PREPARATION AND FLUORESCENCE CHARACTERISTICS OF USING 13CO AND 18O18 TRACERS TO STUDY THE REMOVAL OF VACUUM-BARRIER WINDOW FOR WIDE-BANDWIDTH HIGH-POWER VARIATION OF GaN VALENCE BANDS WITH BIAxIAL STRESS: VARIATIONS OF PHYSICAL PROPERTIES IN PELLETS VIBRATION-BASED SYSTEM FOR CERAMIC INJECTION MOLDING WEAR BEHAVIOUR OF ALUMINA AND SIALON IN LINE CONTACT WEAR-RESISTANT FILM WHISKER-REINFORCED CERAMIC MATERIAL YIELD STRESS OF ALUMINA-ZIRCONIA SUSPENSIONS YITRIA DOPING AND SINTERING OF SUBMICROMETRE-GRAINED ZERO-SHRINKAGE CERAMICS ZIRCONIA BASED ORGANIC PRECURSOR INFILTRATION AS A ALUMINATES ALUMINUM NITRIDE-COMPATIBLE THICK-FILM BINDER GLASS CERAMIC COMPOSITION FOR THERMISTOR, THERMISTOR PREPARATION AND FLUORESCENCE CHARACTERISTICS OF TREATMENT METHOD FOR URBAN WASTE INCINERATION RESIDUES ALUMINIDES METAL MATRIX COMPOSITE OF AN IRON ALUMINIDE AND PROCESS FOR PRODUCING FINELY DIVIDED INTERMETALLIC AND ALUMINIUM 0.5 MICROMETRE E/D AlGaAs/GaAs HETEROSTRUCTURE FIELD ALUMINIUM GALLIUM NITRIDE BASED HETEROJUNCTION BIPOLAR AlGa<sub>1-x</sub>N<sub>x</sub>-BASED MATERIALS AND HETEROSTRUCTURES CHARACTERISATION OF OMVPE-GROWN AlGaInN COMPOSITION PULLING EFFECT IN InGaN GROWTH ON THE GaN CONDUCTIVE PASTE AND SEMICONDUCTOR CERAMIC COMPONENTS CONTROL OF Al<sub>x</sub>Ga<sub>1-x</sub>N DOPING TRANSITION IN Si<sub>3</sub>N<sub>4</sub> AND SiC CORRELATION LENGTHS FOR SCATTERING POTENTIALS IN TWO-CRYSTALLINE KINETICS OF AlF<sub>3</sub>-BASED GLASSES DOPED DEGRADATION OF InGaN/AlGaIn LED ON SAPPHIRE SUBSTRATE DEGRADATION OF SINGLE-QUANTUM-WELL INGaN GREEN LIGHT DIFFUSION OF IMPLANTED ZINC IN GaAs AND AlGa<sub>1-x</sub>N<sub>x</sub> DOPING STUDIES OF n- and p-type AlGa<sub>1-x</sub>N GROWN BY DRY ETCHING OF AlGa<sub>1-x</sub>N USING CHEMICALLY ASSISTED ION EFFECT OF p AND n DOPING ON NEUTRAL IMPURITY AND SiO<sub>2</sub> EFFECTS OF TRIMETHYLINDIUM ON THE PURITY OF ELECTRICAL CHARACTERISTICS OF Al<sub>x</sub>Al<sub>1-x</sub>N (PSMBE-GROWN)-Si ELECTROCHEMICAL INVESTIGATION OF THE CORROSION ELECTROLUMINESCENCE FROM TiO<sub>2</sub>/SiO<sub>2</sub>/Ta<sub>2</sub>O<sub>5</sub>/Al MULTIPLE ELEVATED TEMPERATURE GALLIUM ARSENIDE FIELD EFFECT GAIN SPECTRA AND STIMULATED EMISSION IN EPITAXIAL GaN QUANTUM DOTS IN AlGa<sub>1-x</sub>N CONFINED LAYER GROWTH OF AlBN SOLID SOLUTION BY OMVPE HIGH MICROPORE VOLUME LOW SILICA EMT-CONTAINING HIGH-PERFORMANCE GaInP/AlGaInP STRAINED QUANTUM WELL IMPROVED OHMIC CONTACT ON n-TYPE 4H-SiC IN SITU ETCHED AND CHEMICAL BEAM EPITAXY OF INITIAL GROWTH STAGE OF AlGaIn GROWN DIRECTLY ON InN-BASED OHMIC CONTACTS TO AlInN IN-PLANE OPTICAL ANISOTROPIES OF AlGa<sub>1-x</sub>N FILMS IN INTEGRATED HETEROSTRUCTURES OF GROUP-III-NITRIDE INTRINSIC MOBILITY LIMITS OF A TWO-DIMENSIONAL INVESTIGATION OF ALUMINIUM AND TITANIUM/ALUMINIUM LARGE-AREA GROWTH OF InGa<sub>1-x</sub>Al<sub>x</sub>GaN USING IN SITU LIQUID CRYSTAL DEVICE AND DISPLAY APPARATUS WITH LOW RESISTANCE BILAYER N<sub>x</sub>/Al OHMIC CONTACTS ON n-TYPE LOW-ALUMINIUM BORON BETA ZEOLITE MAGNETIC RECORDING MEDIUM COMPRISING A CARBON MANUFACTURE OF CERAMIC TILES FROM SPENT ALUMINIUM MBE GROWTH AND OPTICAL CHARACTERISATION OF InGa<sub>1-x</sub>Al<sub>x</sub>N MBE GROWTH OF (InGa)N FOR LED APPLICATIONS MECHANISMS OF STRAIN REDUCTION IN GaN AND AlGa<sub>1-x</sub>N METHOD FOR THE PREPARATION OF SILICON SINGLE CRYSTAL METHOD OF MAKING COMPOSITES OF METALS AND OXIDES METHOD OF SEALING GLASS TO ALUMINIUM, PARTICULARLY FOR MOVCD GROWN AlInAs/InGaAs LONG-PERIOD SUPERLATTICE MODELING OF ALGa<sub>1-x</sub>N HETEROPOLYMER IN AlAs/GaN MULTIPLE NEGATIVE-DIFFERENTIAL-RESISTANCE (MNDR) OF A MULTIPLE PULSE-DOPED CHANNEL AlGa<sub>1-x</sub>InGa<sub>1-x</sub>GaAs HFTs NITRIDE BASED THIN FILM COLD CATHODE EMITTERS NMR STUDY ON GLASS STRUCTURE OF CHLORINE-DOPED AlF<sub>3</sub> OBSERVATION OF A TWO-DIMENSIONAL ELECTRON GAS IN THE PERSISTENT PHOTOCONDUCTIVITY IN p-TYPE GaN EPILAYERS PHOTOCONDUCTING PROPERTIES OF ULTRAVIOLET DETECTORS PHOTOCONDUCTANCE INVESTIGATION OF Si AS p-TYPE DOPANT PROCESS FOR DEPOSITION OF A TiN CAP LAYER ON PROCESS FOR PRODUCING CERAMIC PARTICLES DISPERSED IN QUANTUM INTERFERENCE OF ELECTRONS TRANSMITTED SELECTIVE GROWTH OF GaN AND Al<sub>0.2</sub>Ga<sub>0.8</sub>N ON SELF-LUBRICATING ALUMINA METAL-MATRIX COMPOSITES SEMICONDUCTOR DEVICE EQUIPPED WITH ANTIFUSE ELEMENTS SENSITIVE PHOTOELECTRIC STRAIN MEASURING SiO<sub>2</sub> SOLS IN PAPERMAKING SOME PROPERTIES OF THERMOPLASTIC MIXTURES FOR FORMING

76-06086C  
76-01557A  
76-08960A  
76-03791A  
76-08218A  
76-04182A  
76-06088A  
76-07528P  
76-08810A  
76-08810A  
76-04053A  
76-04053A  
76-01656A  
76-08602A  
76-05308P  
76-01657A  
76-04678P  
76-08603A  
76-04221P  
76-04222P  
76-05077A  
76-08197P  
76-08607C  
76-08608A  
76-04190A  
76-08222A  
76-08223A  
76-04682P  
76-06787P  
76-08609A  
76-02190P  
76-08197A  
76-04058A  
76-04193A  
76-03794C  
76-03872A  
76-01311A  
76-00236P  
76-04688P  
76-02028A  
76-06181A  
76-01937A  
76-04194A  
76-00797P  
76-07722C  
76-02030A  
76-02030A  
76-01314A  
76-04691P  
76-06791P  
76-04355A  
76-02033A  
76-02034C  
76-02035A  
76-05114P  
76-05473P  
76-02190P  
76-02190P  
76-05091P  
76-06738P  
76-03147C  
76-05531P  
76-07531C  
76-07542C  
76-07550C  
76-00822P  
76-03147C  
76-03165A  
76-07061C  
76-07556C  
76-07557C  
76-03147C  
76-07563C  
76-03175A  
76-03179A  
76-03183A  
76-07563C  
76-05382C  
76-08825A  
76-04044P  
76-07585C  
76-03147C  
76-07592C  
76-04570P  
76-03208A  
76-03219A  
76-03303C  
76-07611C  
76-07612C  
76-07613C  
76-07750P  
76-07615C  
76-07617C  
76-08182C  
76-00166P  
76-03238A  
76-08662P  
76-01041P  
76-00309P  
76-07630C  
76-07632C  
76-07633C  
76-07634C  
76-06660P  
76-02537P  
76-00177P  
76-03243C  
76-07633C  
76-03252C  
76-03253C  
76-07648C  
76-07683C  
76-07688C  
76-03268A  
76-04643P  
76-09108P  
76-03274A  
76-07685C  
76-00183P  
76-00865P  
76-07688P  
76-08634P  
76-01888A

SPIN RESONANCE INVESTIGATIONS OF GaN AND AlGaN  
 SPONTANEOUS AND STIMULATED RECOMBINATION IN THE  
 STACKED InGaN/AlGaN DOUBLE HETEROSTRUCTURES  
 STIMULATED EMISSION FROM SINGLE- AND  
 STRUCTURAL AND OPTICAL PROPERTIES OF AlGaN/GaN QUANTUM  
 STUDIES OF GROUP III NITRIDE GROWTH ON SILICON  
 STUDY OF Be AND Mg IMPLANTATION IN In<sub>0.5</sub>Ga<sub>0.5</sub>(xAl<sub>x</sub>)<sub>0.5</sub>P  
 SUBSTRATE OF A CERAMIC MATERIAL  
 SUPERCONDUCTING WIRE AND COMPOSITE SUPERCONDUCTOR  
 SYNTHESIS OF TETRAMETHYLAMMONIUM ALUMINOSILICATE AND  
 TAILORED CARRIER ESCAPE RATES IN GaAs/Al<sub>0.3</sub>Ga<sub>0.7</sub>As  
 TEMPERATURE SENSOR  
 THERMAL CHARACTERISTICS OF LAYERED DOUBLE HYDROXIDE  
 THERMAL STABILITY OF SiCON-BASED HYBRID MATERIALS  
 TITANIUM MATRIX COMPOSITES  
 TRANSIENT CAPACITANCE-VOLTAGE METHOD FOR  
 TUNNEL EFFECTS IN LUMINESCENCE SPECTRA OF  
 WET OXIDATION OF AlGaIn-xAs: ARSENIC BARRIERS ON THE  
 ALUMINIUM BORATE  
 METHOD FOR PREPARING A FIBROUS ELECTRICALLY CONDUCTIVE  
 ALUMINIUM HYDROXIDE  
 AB INITIO 27Al NMR CHEMICAL SHIFT CALCULATION FOR THE  
 CARBOTHERMAL REDUCTION AND NITRIDATION OF ALUMINIUM  
 CHARACTERISATION OF ALUMINIUM HYDROXIDE OBTAINED FROM  
 FORMATION OF ALPH-A-AL<sub>2</sub>O<sub>3</sub> FROM Al(OH)<sub>3</sub> IN THE PRESENCE  
 PREPARATION OF GELATINOUS ALUMINIUM HYDROXIDE FROM  
 PROCESS FOR PRODUCTION OF ALUMINIUM HYDROXIDE FROM ORE  
 ALUMINIUM INDUSTRY  
 CERAMIC MATRIX COMPOSITES FOR USE IN MOLTEN ALUMINIUM  
 CERAMIC SENSORS FOR PROCESS CONTROL IN THE ALUMINIUM  
 CORROSION OF REFRACTORIES AT THE BELLYBELL  
 RECENT DEVELOPMENT IN REFRACTORIES FOR ALUMINIUM CELLS  
 REFRACTORY MAINTENANCE PROGRAMME USING SPC TOOLS  
 USAGES AND TRENDS OF REFRACTORIES USED IN ALUMINIUM  
 WETTABILITY AND REACTIVITY OF SILICA-ALUMINA  
 ALUMINIUM IRON OXIDE  
 CRYSTALLIZATION BEHAVIOUR AND MICROSTRUCTURE EVOLUTION  
 ALUMINIUM NIOBATE  
 MICROSTRUCTURE DEVELOPMENT IN SITU REINFORCED  
 ALUMINIUM NITRIDE  
 ALUMINIUM NITRIDE, ALUMINIUM NITRIDE CONTAINING SOLID  
 ALUMINIUM NITRIDE BODY HAVING GRADED METALLURGY  
 ALUMINIUM NITRIDE BUFFER LAYER FOR DIAMOND FILM GROWTH  
 ALUMINIUM NITRIDE CAN CUT THE MUSTARD  
 ALUMINIUM NITRIDE DEFECT CHEMISTRY DEPENDENCE ON  
 ALUMINIUM NITRIDE FILM SUBSTRATE AND PROCESS FOR  
 ALUMINIUM NITRIDE POWDER  
 ALUMINIUM NITRIDE REFRACTORY MATERIALS AND METHODS FOR  
 ALUMINIUM NITRIDE SINTERED BODY AND PROCESS FOR  
 ALUMINIUM NITRIDE SYNTHESIS WITH ALUMINIUM HALIDES AND  
 ANALYSIS OF LOCAL HEAT TRANSFER PROPERTIES OF  
 AQUEOUS TAPE CASTING OF ALUMINIUM NITRIDE CERAMICS  
 BONDING AND INTERFACIAL REACTIONS IN CERAMICS FOR  
 BOUND EXCITON ENERGIES, BIAXIAL STRAINS, AND DEFECT  
 CARBOTHERMAL REDUCTION AND NITRIDATION OF ALUMINIUM  
 CERAMIC CIRCUIT BOARD HAVING A THERMAL CONDUCTIVITY  
 CERAMIC ELECTROSTATIC CHUCK WITH BUILT-IN HEATER  
 CERAMIC RESISTOR AND ELECTROSTATIC CHUCK HAVING AN  
 CHANGES IN OPTICAL TRANSMITTANCE OF ALUMINIUM NITRIDE  
 CHARACTERISATION OF ALUMINIUM NITRIDE THIN FILMS  
 CHARACTERISATION OF METAL/Al<sub>2</sub>O<sub>3</sub>/n-Si INTERFACE THERMAL  
 CHARACTERISTICS OF AEROSOL-SYNTHESIZED AIR PARTICLES  
 CHEMICAL ETCHING OF AlN AND InAlN IN KOH SOLUTIONS  
 CIRCUIT SUBSTRATE INCLUDING INSULATING LAYER OF  
 CLAD METAL SUBSTRATE  
 COMMENT ON "DIFFRACTION METHOD DETECTION OF LOCAL  
 COMPARISON OF THE MICROSTRUCTURE OF AIR FILMS GROWN BY  
 COMPOSITE MATERIAL HAVING AN INTERMETALLIC MATRIX OF  
 CONVERSION OF SUCCINATE- AND ADIPATE-COORDINATED  
 COOL COATINGS  
 DENSIFICATION AND THERMAL CONDUCTIVITY OF AIR DOPED  
 DENSIFICATION OF COMBUSTION SYNTHESIZED ALUMINIUM  
 DEPOSITION OF AlN ON WS<sub>2</sub>(0001) SUBSTRATE BY ATOMIC  
 DETERMINATION OF THE RANGE OF LATTICE DISTORTION IN  
 DIFFUSION OF RARE EARTH ELEMENTS IN AIR CERAMICS  
 DYNAMIC COMPACTION OF CERAMIC POWDERS  
 EFFECT OF BEAM VOLTAGE ON THE PROPERTIES OF ALUMINIUM  
 EFFECT OF HEXAGONAL BORON NITRIDE ON ALUMINIUM NITRIDE  
 EFFECTS OF REDUCTION OF THE Al-Y-O CONTAINING  
 ELECTRICAL CHARACTERISATION OF Al-AlN (PSMBE-GROWN)-Si  
 ELECTRONIC STRUCTURE OF BIAXIALLY STRAINED WURTZITE  
 ENERGETICS OF AIR EPITAXIAL WETTING LAYER ON  
 EPOXY POLYMER FILLED WITH ALUMINIUM NITRIDE CONTAINING  
 FABRICATION OF AIR WHISKERS BY SELF-PROPAGATING  
 FINE STRUCTURE OF MILLED AIR POWDER  
 FTIR ANALYSIS OF THE SURFACE OF NANOSTRUCTURED  
 GROWTH AND CHARACTERISATION OF AlN ON Si-SiC  
 DEPOSITION OF BULK AlN AND GaN SINGLE CRYSTALS BY  
 HIGH BRIGHTNESS ELECTROLUMINESCENT DEVICE EMITTING IN  
 HIGH TEMPERATURE COMPRESSION CREEP OF ALUMINIUM  
 HIGH THERMAL CONDUCTIVITY ALUMINIUM NITRIDE SUBSTRATES  
 HIGH-TEMPERATURE CERAMIC ARTICLES HAVING CORROSION  
 HYBRID PLASMA CHEMICAL VAPOUR DEPOSITION OF ALUMINIUM  
 IN SITU REFLECTION HIGH-ENERGY ELECTRON DIFFRACTION  
 INFLUENCE OF AIR PROTECTIVE FILM THICKNESS ON THE  
 INFLUENCE OF HYDROGEN ADDITION ON THE CHEMICAL  
 INJECTION MOLDING AIR FOR THERMAL MANAGEMENT  
 JAPAN THINKS SMALL FOR BIG RESULTS  
 JOINING NITRIDE CERAMICS  
 LARGE-AREA SUPERSONIC JET EPITAXY OF AlN, GaN, AND SiC  
 LIGHT-EMITTING SEMICONDUCTOR DEVICE USING GROUP III  
 LOCAL THERMAL PROPERTIES IN ALUMINIUM NITRIDE. A  
 LOW-TEMPERATURE DEPOSITION AND CHARACTERISATION OF  
 LOW-TEMPERATURE PHOTOLYTIC DEPOSITION OF ALUMINIUM  
 LOW-TEMPERATURE SINTERING AND HIGH THERMAL  
 MAGNESIUM-DOPED BETA-ALUMINIUM TITANATE THIN FILM  
 METALLIZED ALUMINIUM NITRIDE SUBSTRATE  
 METALORGANIC CHEMICAL VAPOUR DEPOSITION-GROWN AIR ON  
 METHOD FOR FORMING IN-LAY INTERCONNECTS IN A  
 METHOD FOR GROWING II-V SEMICONDUCTOR FILMS USING A  
 METHOD FOR IMPROVING THE TOUGHNESS OF SILICON CARBIDE  
 METHOD FOR PRODUCING A SEMICONDUCTOR DEVICE HAVING A  
 METHOD FOR PROVIDING TRENCH ISOLATION AND BORDERLESS  
 METHOD FOR THE PREPARATION OF HIGH-PURITY ALUMINIUM  
 METHOD OF MAKING MOISTURE-RESISTANT ALUMINIUM NITRIDE  
 METHOD OF MANUFACTURING ALUMINIUM NITRIDE  
 METHOD OF MANUFACTURING A MULTILAYERED BARRIER  
 MICROSTRUCTURAL ANALYSIS OF ORIENTATION VARIATION IN  
 MICROSTRUCTURAL DEVELOPMENT IN AIR (YF<sub>3</sub>) CERAMICS  
 MICROSTRUCTURE AND PROPERTIES OF AIR CERAMICS  
 MICROSTRUCTURE AND THERMAL CONDUCTIVITY OF AIR  
 MICROSTRUCTURES INFLUENCE ON ALUMINIUM NITRIDE THERMAL

76-07689C  
 76-07690C  
 76-07692C  
 76-07694C  
 76-07695C  
 76-07705C  
 76-03287C  
 76-04674P  
 76-08106P  
 76-04677P  
 76-03290A  
 76-08636P  
 76-06343C  
 76-06538C  
 76-06784P  
 76-03293A  
 76-07721C  
 76-03302C  
 76-06646P  
 76-09165A  
 76-01908A  
 76-03927A  
 76-04110P  
 76-01519A  
 76-01344P  
 76-02814C  
 76-07407C  
 76-02821C  
 76-02929C  
 76-02933C  
 76-05298A  
 76-02959C  
 76-01591A  
 76-00940A  
 76-08970P  
 76-00147P  
 76-02485A  
 76-05332A  
 76-04224A  
 76-04521P  
 76-08862P  
 76-05306P  
 76-04522P  
 76-05333C  
 76-04225A  
 76-05821C  
 76-01162C  
 76-07534C  
 76-01908A  
 76-06350P  
 76-08747P  
 76-07473P  
 76-07538C  
 76-04411A  
 76-07540C  
 76-04360A  
 76-07544C  
 76-06570P  
 76-07037P  
 76-02206A  
 76-07549C  
 76-02061P  
 76-08653A  
 76-05835A  
 76-04425A  
 76-01921C  
 76-07538C  
 76-01739A  
 76-02196C  
 76-01197C  
 76-08147A  
 76-03051A  
 76-09819C  
 76-01751A  
 76-07574C  
 76-07577C  
 76-08015P  
 76-04405P  
 76-01466A  
 76-05849C  
 76-06231A  
 76-07580C  
 76-07593C  
 76-07744P  
 76-07305A  
 76-06434C  
 76-08015P  
 76-08169A  
 76-07607C  
 76-03066A  
 76-07609C  
 76-01956A  
 76-07784P  
 76-01010C  
 76-03720A  
 76-07621C  
 76-07753P  
 76-08097C  
 76-07623C  
 76-09026P  
 76-01763A  
 76-02098P  
 76-06361P  
 76-03241A  
 76-05484P  
 76-05566P  
 76-04858P  
 76-07784P  
 76-07499P  
 76-04599P  
 76-06676P  
 76-06679P  
 76-07575P  
 76-07635C  
 76-08693A  
 76-06247A  
 76-01767A  
 76-08695C

MORPHOLOGIES AND GROWTH MECHANISMS OF ALUMINIUM  
 MORPHOLOGY AND DIELECTRIC PROPERTIES OF REACTIVELY  
 MORPHOLOGY AND STRUCTURE OF INTERFACES IN SINTERED  
 NEGATIVE ELECTRON AFFINITY SPARK PLASMA  
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 OPTIMISATION AND ANALYSIS OF MICROSTRUCTURAL RESIDUAL  
 PHASE AND MICROSTRUCTURE OF SiC-AIN CERAMICS PREPARED  
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 PHASE STABILITY OF THE Al-N SYSTEM  
 PLANARISATION OF SURFACE OF ALUMINIUM NITRIDE  
 POLYMER PRECURSOR FOR SILICON CARBIDE/ALUMINIUM  
 POLYMER PRECURSORS FOR ALUMINIUM NITRIDE  
 PREPARATION OF AIR FROM POLY(ETHYLIMINOALANES) VIA  
 PREPARATION OF FINE AIR POWDERS BY WET BALL-MILLING  
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 SEMICONDUCTOR DEVICE HAVING GROUP III NITRIDE COMPOUND  
 SEMICONDUCTOR DEVICE HAVING A PASSIVATION LAYER  
 SEMICONDUCTOR DEVICES ENCAPSULATED WITH ALUMINIUM  
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 STUDY OF IBAD DEPOSITED AIR FILMS FOR VACUUM DIODE  
 STUDY OF THE BEHAVIOUR OF ALUMINIUM NITRIDE IN THE  
 STUDY OF THE SURFACE MORPHOLOGICAL FEATURES OF THE  
 SUPERPLASTIC Mg-BASED COMPOSITE MATERIAL AND METHOD  
 SURFACE MODIFICATION OF ALUMINIUM NITRIDE POWDER  
 SYNTHESIS OF SiC-AIN CERAMIC ALLOYS FROM Si, C AND AIR  
 TEMPERATURE SENSOR HAVING A CERAMIC SUBSTRATE WITH LOW  
 THEORY OF INTERFACES IN WIDE-GAP NITRIDES  
 THIN FILM GROWTH OF GROUP III NITRIDES BY MASS  
 UTILISATION OF FRAGMENTED ALUMINIUM NITRIDE  
 XPS AND THERMOGRAVIMETRIC STUDY OF OXIDIZED AIR AND  
 ALUMINIUM OXYCARBIDE  
 HYDRATION RESISTANCES AND REACTIONS WITH CO OF AlN<sub>2</sub>O<sub>4</sub>C  
 ALUMINIUM OXYNITRIDE  
 CARBOTHERMAL REDUCTION SYNTHESIS OF ALUMINIUM  
 FORMATION AND STABILITY OF GAMMA-ALUMINIUM OXYNITRIDE  
 PRODUCTION AND PROPERTIES OF ALUMINIUM  
 REACTION PLASMA SINTERING OF ALUMINIUM OXYNITRIDE  
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 76-07641C  
 76-06249C  
 76-01805P  
 76-07652C  
 76-07654C  
 76-07665C  
 76-08706C  
 76-04474A  
 76-04344A  
 76-08784A  
 76-04389A  
 76-02142P  
 76-02143P  
 76-04284A  
 76-08203A  
 76-03755C  
 76-04012P  
 76-03792P  
 76-07677C  
 76-01778A  
 76-08719A  
 76-07846P  
 76-07850P  
 76-05618P  
 76-06289P  
 76-07691C  
 76-07702C  
 76-08142C  
 76-07706C  
 76-00531A  
 76-07708C  
 76-08779P  
 76-08718P  
 76-02023A  
 76-07528P  
 76-07715C  
 76-07719C  
 76-08719C  
 76-08207A  
 76-00452A  
 76-08647A  
 76-08371A  
 76-08716A  
 76-04289A  
 76-01590A  
 76-04560P  
 76-02053P  
 76-06572P  
 76-03365A  
 76-08479C  
 76-08462A  
 76-01939C  
 76-08907A  
 76-05268A  
 76-07324A  
 76-08192P  
 76-04083C  
 76-08600A  
 76-02026C  
 76-00308P  
 76-02149P  
 76-09094P  
 76-04508A  
 76-06375A  
 76-08548P  
 76-06551P  
 76-02823C  
 76-08988P  
 76-01454A  
 76-08361A  
 76-01592P  
 76-07252P  
 76-05737P  
 76-09046P  
 76-04620P  
 76-01592P  
 76-05278A  
 76-01842A  
 76-02146P  
 76-01523A  
 76-02150P  
 76-06732P  
 76-02155P  
 76-09119P  
 76-08056A  
 76-02929C  
 76-01283A  
 76-02170P  
 76-06204P  
 76-08696A  
 76-04179A  
 76-04677P  
 76-01563A  
 76-07110P  
 76-05520P  
 76-02051P  
 76-02094P  
 76-00174P  
 76-03220A  
 76-07656C  
 76-08421A  
 76-01156A  
 76-03976A  
 76-06305A  
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518P 76-03068C  
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ENCAPSULATION OF THE FERRITIN PROTEIN IN SOL-GEL  
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IMPORTANCE OF NEW PROCESSING TECHNIQUES IN TISSUE  
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- 76-06034A  
76-09180A  
76-01705P  
76-04470A  
76-06150A  
76-00179P  
76-04918A  
76-04146C  
76-04216P  
76-08839A  
76-07020A  
76-07021A  
76-02510C  
76-06713P  
76-00287A  
76-01636A  
76-02221A  
76-08398A  
76-04476C  
76-06489A  
76-06490A  
76-04821A  
76-02564A  
76-09260A  
76-08931A  
76-01639A  
76-02626A  
76-01653A  
76-04822C  
76-08942A  
76-04156C  
76-04210P  
76-08576A  
76-04966C  
76-08577A  
76-04966C  
76-08518A  
76-04966C  
76-06520A  
76-02383A  
76-06341A  
76-06205P  
76-04966C  
76-02519C  
76-02020A  
76-04175C  
76-08954A  
76-04966C  
76-07101A  
76-06527A  
76-09134P  
76-01559A  
76-04966C  
76-06179A  
76-04189A  
76-06785P  
76-04721C  
76-04966C  
76-09274C  
76-02032A  
76-06277A  
76-04197C  
76-04198C  
76-04199C  
76-07052P
- 76-00997P  
76-01610A  
76-02112C  
76-01719P  
76-01666P  
76-06186P  
76-08617P  
76-08618P  
76-04323C  
76-06213A  
76-04068A  
76-04069A  
76-01672P  
76-04069A  
76-08621P  
76-03831C  
76-00239A  
76-02487C  
76-04069A  
76-02489C  
76-04081C  
76-08622P  
76-04082C  
76-01681P  
76-04727C  
76-04088C  
76-01592A  
76-02494C  
76-04092C  
76-02599C  
76-00775P  
76-05107A  
76-05108A  
76-04422C  
76-04107C  
76-06125A  
76-01604A  
76-00099A  
76-02649A  
76-00160P  
76-00103A  
76-04456A  
76-03851C  
76-03852C  
76-01960A  
76-04134C  
76-04465A  
76-04138A  
76-02610C  
76-06852A  
76-06304A  
76-04736C  
76-06143A  
76-01629A  
76-09055P  
76-08918A  
76-04807C



- PROSPECTS FOR CERAMICS IN CLINICAL APPLICATIONS  
PROSTHETIC JOINT WITH DIAMOND COATED INTERFACES  
SOL-GEL DERIVED CERAMIC-CARBON ENZYME ELECTRODES:  
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THIN HYDROXYAPATITE LAYERS FORMED ON POROUS TITANIUM  
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ZIRCONIUM OXIDE AND ZIRCONIUM NITRIDE COATED CATHETERS  
ZIRCONIUM OXIDE AND ZIRCONIUM NITRIDE COATED  
ZIRCONIUM OXIDE AND ZIRCONIUM NITRIDE COATED VASCULAR  
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- BIOTECHNOLOGY**  
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ELECTRICAL CONDUCTION STUDIES ON (Bi<sub>0.68</sub>Co<sub>0.4</sub>)<sub>2</sub>Fe<sub>4</sub>Si<sub>2</sub>  
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- BISMUTH NIOBATE**  
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CONDUCTIVITY AND PHASE STABILITY OF BISMUTH OXIDE  
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FERROELECTRIC MEMORY  
GLASS COMPOSITIONS  
HIGH BISMUTH OXIDE BASED FLUX AND PAINT COMPOSITIONS  
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LOW-TEMPERATURE SEALING COMPOSITION WITH REDUCED SiO<sub>2</sub>  
OPTICAL DEVICE HAVING LOW VISUAL LIGHT TRANSMISSION
- BISMUTH SILICON OXIDE**  
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BISMUTH SODIUM TITANATE  
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- BISMUTH STRONTIUM CALCIUM COPPER OXIDE**  
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Bi-BASED SUPERCONDUCTORS DOPED WITH Bi<sub>2</sub>S<sub>3</sub>  
(Bi<sub>1-x</sub>Pb<sub>x</sub>)Sr<sub>1-x</sub>Ca<sub>1-x</sub>O<sub>7</sub> PRECURSOR MATERIAL FOR THE OXIDE POWDER  
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- BISMUTH STRONTIUM TITANATE**  
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- BISMUTH TITANATE**  
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PREPARATION OF HIGHLY ORIENTED BISMUTH TITANATE THIN  
PROCESSING AND SINTERING OF CaBi<sub>4</sub>Mo<sub>15</sub> POWDERS FOR  
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- BISMUTH TITANATE NIOBATE**  
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- BISMUTH VANADATE**  
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- BLAST FURNACE SLAG**  
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- BLENDED**  
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- BODY PREPARATION**  
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DRY PREPARATION IN THE BRICK AND TILE INDUSTRY  
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- BOEHMITE**  
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FRACTURE CHARACTERISATION OF SILICON-JOINED CERAMIC  
JOINING OF Si-Cu-O FIBRE-ASSEMBLED CERAMIC  
PLASMA SPRAYING OF ZIRCONIA-REINFORCED HYDROXYAPATITE
- 76-04923C  
76-08756F  
76-05448A  
76-05096P  
76-03654F  
76-02519C  
76-08584A  
76-08179A  
76-04189A  
76-04197C  
76-04198C  
76-04199C  
76-07051P  
76-06207P  
76-08209P  
76-06209P
- 76-01440A  
76-08621P
- 76-03503A  
76-03508A  
76-01033P  
76-03184A  
76-05742P  
76-01117P  
76-07825P  
76-03590A  
76-01136P  
76-01139P
- 76-00993A
- 76-03041C  
76-03120P  
76-03523P  
76-05117P  
76-06601P  
76-04122A  
76-07108P  
76-08631P
- 76-08530A
- 76-07878A  
76-05478P
- 76-03502A  
76-03507A  
76-08076P  
76-08077P  
76-08077P  
76-03519A  
76-05232A  
76-03524A  
76-03530A  
76-05772P  
76-08079P  
76-03543C  
76-08080P  
76-08081P  
76-03546A  
76-03552A  
76-03558C  
76-03644P  
76-05790P  
76-05792P  
76-03564A  
76-03563A  
76-08101P  
76-05799P  
76-05803P  
76-08107P  
76-03622A  
76-03623A
- 76-09003P  
76-05494P
- 76-03292A
- 76-07875A  
76-03364A  
76-03454P  
76-07929C  
76-07934C  
76-03408A  
76-03414C  
76-08932C  
76-05680A  
76-07962C  
76-02009A
- 76-07929C
- 76-00718A  
76-05455A
- 76-02484P
- 76-02048P  
76-02081P
- 76-02983A  
76-01195A  
76-02728A  
76-00338A  
76-01254A  
76-08329A
- 76-04072C  
76-04071P  
76-01621A  
76-03076C
- 76-02701C  
76-08286C  
76-02813A  
76-00090A  
76-02729C  
76-04781C  
76-03772P  
76-07020A  
76-07021A
- PRODUCTION, BONDING STRENGTH AND ELECTROCHEMICAL  
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CHEMICAL INTERACTION BETWEEN Fe AND SILICON NITRIDE  
CHEMICALLY ACTIVE CERAMIC COMPOSITIONS WITH A
- 76-08207A  
76-07026A  
76-03865A  
76-00138A  
76-01295A  
76-00142A
- 76-03450P  
76-01152C  
76-03668C  
76-01153C  
76-06988A  
76-00070P  
76-01783P  
76-01794P  
76-04067A  
76-00752P  
76-01162C  
76-01160B  
76-08974P  
76-06550P  
76-01167C  
76-00755P  
76-04232A  
76-08985P  
76-06567P  
76-06568P  
76-03305P  
76-08749P  
76-08749P  
76-01684P  
76-02076P  
76-01201C  
76-06669A  
76-01517P  
76-04980P  
76-06283P  
76-04961P  
76-01687P  
76-06596P  
76-09003P  
76-01933A  
76-06598P  
76-04565P  
76-07583C  
76-03662A  
76-07587P  
76-01014C  
76-08174A  
76-08175A  
76-08177A  
76-00108C  
76-03720A  
76-05865A  
76-08178A  
76-03722C  
76-05866A  
76-04572P  
76-00308P  
76-03726B  
76-05090P  
76-06624P  
76-03829P  
76-00173P  
76-01804P  
76-02682P  
76-01008P  
76-04967P  
76-03142P  
76-07828P  
76-06720P  
76-05889A  
76-02453A  
76-00133A  
76-04827A  
76-01809P  
76-00864P  
76-07526P  
76-08215A  
76-01292P  
76-00276P  
76-02401P  
76-08222A  
76-08223A  
76-01812P  
76-06542C  
76-01313A
- 76-02591A  
76-06473C
- BONE CHINA**  
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- BORATES**  
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CRYOLITE-RESISTANT REFRACTORY  
Cu<sub>2</sub>-B<sub>2</sub>O<sub>3</sub>-B<sub>2</sub>O<sub>3</sub> SYSTEM  
FARADAY EFFECT IN T<sub>b</sub> sup<sub>3</sub>-CONTAINING BORATE  
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- BORIA**  
Bi-BASED SUPERCONDUCTORS DOPED WITH B<sub>2</sub>O<sub>3</sub>  
COMPOSITES FOR GLASS  
GLASS COMPOSITIONS  
GLASS-CERAMIC SINTERED BODY, A PROCESS FOR ITS  
LOW-TEMPERATURE SEALING COMPOSITION WITH REDUCED SiO<sub>2</sub>  
OPHTHALMIC GLASS OF HIGH REFRACTIVE INDEX  
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SPECTRAL DISTRIBUTION OF THERMALLY ACTIVE VIBRATIONAL
- 76-03507A  
76-05117P  
76-07252P  
76-07108P  
76-00234P  
76-02589P  
76-07262P  
76-09122P  
76-05162P  
76-04398A
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BLACK WASH FOR PRODUCING MOULD COATINGS  
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PROCESS FOR PRODUCING POWDERS OF TRANSITION METAL
- 76-08970P  
76-04528P  
76-04847P  
76-06624P  
76-06631P  
76-04963P  
76-04655P

## BORON

ALUMINUM NITRIDE-COMPATIBLE THICK-FILM BINDER GLASS  
BARIUM STRONTIUM TITANATE (BST) THIN FILMS USING BORON  
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BORON-CONTAINING CATALYST  
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DENTAL CERAMIC, COATED TITANIUM PROSTHESIS  
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GROWTH OF GABN TERNARY SOLUTIONS BY ORGANOMETALLIC  
HIGH MICROPORE VOLUME LOW SILICA EMIT-CONTAINING  
LOW-ALUMINUM BORON BETA ZEOLITE  
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METHOD FOR FABRICATING PLANARISED BOROPHOSPHOSILICATE  
METHOD FOR PRODUCING n-TYPE SEMICONDUCTING DIAMOND  
METHOD OF FORMING A BORON-DOPED DIAMOND FILM BY  
PROCESS FOR MANUFACTURING LAYERS OF DIAMOND DOPED WITH  
SOME EFFECTS OF BORON DOPING IN a-Si:H FILMS PREPARED  
ZrO<sub>2</sub>-BASED SINTER, PROCESS FOR PRODUCING THE SAME

## BORON CARBIDE

ARMOUR CERAMICS BALLISTIC EFFICIENCY EVALUATION  
BORON CONTAINING MULTILAYER COATINGS AND METHOD OF  
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IMPROVED LINDING FOR ALUMINUM PRODUCTION FURNACE  
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MECHANICAL PROPERTIES OF T300/Al COMPOSITES.  
METAL MATRIX COMPOSITIONS AND METHOD OF MANUFACTURE  
METHOD OF MAKING A BORON CARBIDE CERMET WITH N  
METHOD OF MAKING HEAT AND IMPACT-RESISTANT COMPOSITE  
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PREPARATION OF HIGH DENSITY BORON CARBIDE CERAMICS  
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## BORON CARBONITRIDE

GRAPHITE RELATIVE OF B<sub>2</sub>CN  
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## BORON NITRIDE

ABRASIVE BODY  
ALUMO-BORON-NITRIDE CERAMICS FOR HIGH-TEMPERATURE  
APPARATUS FOR TRUEING CBN ABRASIVE BELTS AND GRINDING  
BN SINTERED WITH AL MICROSTRUCTURE AND HARDNESS  
BN<sub>2</sub> DIELECTRIC LAYERS PREPARED BY FIELD-ASSISTED  
BORON CONTAINING MULTILAYER COATINGS AND METHOD OF  
BORON NITRIDE COLD CATHODE  
BORON NITRIDE EXHAUST SEAL  
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CONDUCTIVE PASTE AND SEMICONDUCTOR CERAMIC COMPONENTS

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SOME NEW ASPECTS OF HIGH-T<sub>c</sub> SUPERCONDUCTORS: CHEMICAL

## BRAZIL

76-05114P  
76-05471P  
76-08975P  
76-08551P  
76-04421A  
76-01684P  
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76-04741C

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76-06772P

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76-08735A

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76-06650P

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76-08711A

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76-02148P

76-00013P

76-02162P

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FORECASTS FOR THE BRICK INDUSTRY, NO.4 JANUARY 1996  
FUTURE OF THE BRICK INDUSTRY, NO.5 - JUNE 1996  
HEAVY CLAY PREPARATION TURNED "FINE"  
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EFFLORESCENCE OF THE 'OTHERS'. NAVIGATING ON THE EFFLORESCENCE PHENOMENON IN THE PRODUCTION OF BRICKS ENGORGES FOR CERAMIC PRODUCTS  
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STRUCTURAL STABILISATION AND ELECTRICAL  
**CALCIUM MOLYBDATE**  
ACTIVE ELECTROCHEMICAL DISSOLUTION OF MOLYBDENUM AND  
**CALCIUM PHOSPHATE**  
BIOACTIVE COATINGS AND THEIR PREPARATION AND USE  
CALCIUM PHOSPHATE BASED BIOCERAMICS FOR BONE IMPLANTS  
CALCIUM PHOSPHATE HYDROXYAPATITE PRECURSOR AND METHODS  
CALCIUM PHOSPHATE MATERIALS PREPARED FROM PRECIPITATES  
CERAMIC DEVICE PROVIDING AN ENVIRONMENT FOR THE  
CHEMISITRY OF CALCIUM PHOSPHATE CEMENTS  
COMPOSITE MATERIALS USING BONE BIOACTIVE GLASS AND  
DEODORANTS AND GAS FILTERS THEREOF  
DEVELOPMENT OF A METHOD TO MEASURE THE PERIOD OF  
DISSOLUTION OF SPARINGLY SOLUBLE INORGANIC COMPOUND IN  
EFFECT OF  $Ca_2P_2O_7$  ON THE EFFECT OF ALPHA-TCP DOWNS  
EFFECT OF NUCLEATING AGENTS ON THE CRYSTALLISATION OF  
FIBROUS GROWTH OF TRICALCIUM PHOSPHATE CERAMICS  
HISTOLOGICAL AND HISTOMORPHOMETRIC EVALUATION OF  
HYDROLYSIS OF TETRACALCIUM PHOSPHATE IN  $H_2PO_4$  AND  
IN VITRO STUDY ON THE EFFECT OF CALCINED BONE ON  
INVESTIGATION OF THE CHEMICAL SYNTHESIS AND  
METHOD FOR THE SOLID-STATE SYNTHESIS OF TETRACALCIUM  
PHASE RELATION IN THE SYSTEM  $Ca_3(PO_4)_2-MgSiO_3$   
POLYMERIC-HYDROXYAPATITE BONE COMPOSITE  
POROUS  $Ca-P-O$  BIO-GLASS-CERAMICS BY

- 76-02484P  
76-04222P  
76-00005P  
76-02041P  
76-08457A  
76-08653A  
76-04985A  
76-08477A  
76-08484A  
76-04566P  
76-09008P  
76-09014P  
76-04372C  
76-06613P  
76-02098P  
76-07494P  
76-06648P  
76-06087P  
76-04596P  
76-06664P  
76-06934P  
76-06679P  
76-06087P  
76-08537A  
76-04626P  
76-04630P  
76-03408A  
76-09089A  
76-09089P  
76-06717P  
76-08442P  
76-06718P  
76-04007A  
76-04039P  
76-08100P  
76-07313P  
76-02156P  
76-05118P  
76-08484P  
76-05757P  
76-01079A  
76-01545A  
76-06082A  
76-06133P  
76-06788P  
76-02193P  
76-08418A  
76-01578A  
76-02112P  
76-06526C  
76-02579A  
76-03658C  
76-00676A  
76-06948A  
76-07301A  
76-06016P  
76-01490A  
76-06133P  
76-02478P  
76-02446A  
76-04496C  
76-04167A  
76-00501C  
76-08594A  
76-05127A  
76-06138C  
76-02226A  
76-05970A  
76-04408C  
76-01920C  
76-08625P  
76-05999A  
76-08365A  
76-01625A  
76-06034A  
76-06903A  
76-04041A  
76-06087A  
76-03483A  
76-04753A  
76-04005A  
76-06087A  
76-08777A  
76-00736A  
76-08446A  
76-05186P  
76-04070A  
76-01672P  
76-02050P  
76-04071A  
76-06175P  
76-04793C  
76-08622P  
76-01685P  
76-01358A  
76-03940A  
76-04323C  
76-00198A  
76-08771A  
76-02234A  
76-00238A  
76-04129C  
76-06448A  
76-08916A  
76-04216P  
76-01846A  
76-06713P  
76-00287A



PREPARATION AND COMPRESSIVE STRENGTH BEHAVIOUR OF SIMULTANEOUS MEASUREMENT OF CALORIMETRY AND SINTERING AND CHARACTERISATION OF HA AND TCP SURFACE COATING FOR PROSTHESIS SYSTEM CONTAINING SURFACE INDUCED MINERALISATION OF BIOCERAMIC COATINGS SURFACE REACTIONS OF CALCIUM-PHOSPHATE BIOCERAMICS SYNTHESIS OF REACTIVE AMORPHOUS CALCIUM PHOSPHATES SYNTHESIS, X-RAY DIFFRACTION AND SOLID-STATE  $^{31}\text{P}$  MAGIC VINYLPHOSPHONIC ACID-MODIFIED CALCIUM ALUMINATE AND

## CALCIUM SILICATE

29Si AND 17O NMR INVESTIGATION OF THE STRUCTURE OF 29Si MAS NMR STUDY OF THE STRUCTURE OF CALCIUM BUILDING WITH CALCIUM SILICATE ELEMENTS DURATEC IN THE GLASS INDUSTRY EFFECT OF SOME INORGANIC ADMIXTURES ON THE FORMATION FACTORS AFFECTING THE COMPRESSIVE STRENGTH OF CALCIUM HIGH POROSITY CALCIUM SILICATE MASS FOR STORING HIGH-TEMPERATURE, HIGH-PRESSURE X-RAY INVESTIGATION OF HYDRATION CHARACTERISTICS OF BETA-C2S IN THE PRESENCE MICROSTRUCTURAL ANALYSIS OF YOUNG CEMENT PASTES USING MORPHOLOGICAL FORMS OF TOBERMORITE IN HYDROTHERMALLY QUANTITATIVE CONTROL OF C2S TRANSFORMATION RAMAN SPECTROSCOPIC INVESTIGATIONS OF DICALCIUM STRUCTURE CHANGE IN STRONTIUM OXIDE-DOPED DICALCIUM SYNTHESIS OF CALCIUM SILICATE HYDRATE WITH  $\text{CaSi} = 2$  THERMAL HYSTERESIS FOR THE ALPHA'(L) TO/FROM BETA THERMODYNAMIC STUDY OF THE STABILITY OF BETA-C2S SOLID THERMOELASTIC BEHAVIOUR IN  $\text{CaSiO}_4$  SOLID SOLUTIONS

## CALCIUM SILICATE HYDRATE

MESOSTRUCTURE OF CALCIUM SILICATE HYDRATE (C-S-H) GELS CALCIUM STRONTIUM ZIRCONIUM PHOSPHATE HIGH-TEMPERATURE CHEMICAL STABILITY OF PLASMA-SPRAYED CALCIUM SULPHATE DEVELOPING A HYDROTHERMAL TECHNIQUE FOR PRODUCTION OF USE OF CITRO-GYPSUM IN HIGH GRADE CALCIUM SULPHATE USE OF SUCCINIC ACID IN CALCIUM-SULPHATE

## CALCIUM SULPHIDE

CYCLIC PROCESS FOR OXIDATION OF CALCIUM SULPHIDE

## CALCIUM SULPHOALUMINATE

STRUCTURE REFINEMENT OF CALCIUM SULPHOALUMINATE,  $\text{CaAl}_2\text{S}_3$

## CALCIUM TITANATE

CERAMIC FIBRES FOR FUNCTIONAL COMPOSITE MATERIALS DEPENDENCE OF PHYSICAL AND ELECTRICAL PROPERTIES OF DIELECTRIC CERAMIC COMPOSITION DRAWING AND OBSERVATION OF ELECTRIFIED IMAGES ON ELECTRICAL CONDUCTIVITY IN  $\text{CaTi}_{1-x}\text{Mn}_x\text{O}_3$  PLUS OR MINUS FLOATING MAGNETIC HEAD HAVING A MAGNETIC HEAD CORE

## CALCIUM ZIRCONATE

OXYGEN DIFFUSION IN ACCEPTOR-DOPED  $\text{SrCeO}_3$  AND  $\text{CaZrO}_3$

## CALCIUM ZIRCONIUM INDIUM OXIDE

OXYGEN DIFFUSION IN ACCEPTOR-DOPED  $\text{SrCeO}_3$  AND  $\text{CaZrO}_3$

## CALCULATIONS

CALCULATION OF DIELECTRIC AND OPTICAL PROPERTIES OF CANADA

BOF REFRACTORY CAMPAIGN LIFE IN US AND CANADA PAST NORTH AMERICAN MINERAL SALTS

QUEBEC ON A MISSION, 10 SPECIAL MEETING REPORT

## CAPACITORS

(1-x)Pb(Mg1/2Nb2/3)0.3-xPb(Pe1/2Nb1/2)0.3 POWDERS BY ADVANCED CERAMICS ON THE UPSWING CALCIUM-DOPING EFFECT ON TEMPERATURE COEFFICIENTS OF CAPACITOR APPARATUS AND METHOD OF MANUFACTURE OF SAME

## CAPACITOR ARRAY

CHARACTERISTICS OF OXYNITRIDE MOS CAPACITOR PREPARED

CHARACTERISTICS OF SPIN-ON FERROELECTRIC  $\text{SrBi}_2\text{Ta}_2\text{O}_9$

CONDUCTIVE PASTE AND MULTILAYER CERAMIC CAPACITOR

CONDUCTIVE PASTE AND MULTILAYER CERAMIC CAPACITOR

DRAM CELL WITH A COMB-TYPE CAPACITOR

DRAM STACK CAPACITOR WITH LADDER STORAGE NODE

EFFECT OF STOICHIOMETRY ON MECHANICAL PROPERTIES OF

EFFECTS OF HYSTERESIS CURVES OF GLASS-PASSIVATED MOS

ELECTROCHEMICAL DEVICES COMPRISING LITHIUM NITRIDE

ELECTRON STRUCTURE FOR FERROELECTRIC CAPACITORS FOR

EXPOSURE TO WATER VAPOUR OF MOS CAPACITORS PASSIVATED

FERROELECTRIC BASED CAPACITOR FOR USE IN MEMORY

FERROELECTRIC INTEGRATED CIRCUIT

FUTURE TRENDS IN MULTI-LAYER CERAMIC CAPACITORS

HIGH FREQUENCY FATIGUE TESTING OF FERROELECTRIC THIN

HIGH POWER CAPACITOR

HIGH PRESSURE REOXIDATION ANNEAL OF SILICON NITRIDE

HIGH-TEMPERATURE ELECTRICAL CERAMIC OXIDE CAPACITOR

HIGH-TEMPERATURE SUPERCONDUCTOR LUMPED ELEMENTS AND

HISTORICAL STORY AGAINST CERAMIC CAPACITORS

HYBRID METAL METAL OXIDE ELECTRODES FOR FERROELECTRIC

IMPROVED MICROSTRUCTURE IN MULTILAYER CERAMIC

INTEGRATED CIRCUIT CAPACITORS AND PROCESS FOR MAKING

INTEGRATION OF HIGH VALUE CAPACITOR WITH FERROELECTRIC

LEVITATED CRYSTAL RESONATOR

LOW FIRE XTR DIELECTRIC COMPOSITIONS AND CAPACITORS

LOW-TEMPERATURE COPIED CERAMIC UHF/VHF POWER

METAL OXIDE CAPACITOR WITH A WM SUBT ELECTRODE

METHOD FOR FORMING A CAPACITOR OF A SEMICONDUCTOR

METHOD FOR FORMING A SEMICONDUCTOR DEVICE ELECTRODE

METHOD FOR FORMING Si3N4 FILM HAVING LOW LEAKAGE

METHOD FOR MAKING DYNAMIC RANDOM ACCESS MEMORY WITH

METHOD FOR MAKING A METAL-TO-METAL CAPACITOR

METHOD FOR MAKING STRONTIUM TITANATE BASED

METHOD OF FABRICATING A MICROTRENCH FLOATING GATE

METHOD OF FABRICATING A SEMICONDUCTOR INTEGRATED

METHOD OF FABRICATING A TOOTH-SHAPED CAPACITOR NODE

METHOD OF FORMING ABO AND  $\text{A}_2\text{B}_2$  FILMS WITH EXCESS B-SITE

METHOD OF FORMING A STACK CAPACITOR OF FIN STRUCTURE

METHOD OF FORMING A  $\text{Ta}_2\text{O}_5$  DIELECTRIC LAYER WITH

METHOD OF MAKING A HIGH-ENERGY MULTILAYER CERAMIC

METHOD OF MAKING A PLANAR MULTILAYER CAPACITOR

METHOD OF MAKING A TOOTH-SHAPED CAPACITOR

METHOD OF MAKING A TOOTH-SHAPED CAPACITOR USING ION

METHOD OF MANUFACTURING FERROELECTRIC CAPACITOR WITH A

METHOD OF MANUFACTURING LAMINATED CERAMIC CAPACITOR

METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE HAVING

METHOD TO FORM A CAPACITOR HAVING MULTIPLE PILLARS FOR

MICROELECTRONIC DEVICE WITH CAPACITORS HAVING

MICROSTRUCTURE AND 90 DEGREE DOMAIN ASSEMBLAGES OF

MICROSTRUCTURE OF NOVEL LITHIUM-DOPED  $\text{SrTiO}_3$  INTERNAL

MONOLITHIC BURIED-SUBSTRATE CERAMIC MULTIPLE

MONOLITHIC CERAMIC CAPACITOR

MONOLITHIC CERAMIC CAPACITOR AND METHOD OF PRODUCING

MONOLITHIC CERAMIC CAPACITORS

MULTILAYER CERAMIC CAPACITOR HAVING AN ANTIREFLECTING

MULTILAYER CERAMIC CHIP CAPACITOR

NPO DIELECTRIC CERAMIC COMPOSITIONS AND CAPACITORS

NUMERICAL SIMULATION OF ELECTRICAL CHARACTERISTICS OF

ON RELATED CAPACITANCE VOLTAGE RECOVERY EFFECT IN MOS

PICKUP APPARATUS FOR PICKING UP A CUT SHEET FROM A

76-09260A  
76-03863A  
76-06518A  
76-01719B  
76-02519C  
76-04175C  
76-09134P  
76-01559A  
76-05033A

76-00015A  
76-00016A  
76-02410C  
76-07193B  
76-06952A  
76-02426C  
76-06604P  
76-06955A  
76-02431A  
76-02443A  
76-00049A  
76-02452A  
76-08786A  
76-02485A  
76-06897A  
76-04351A  
76-02465A  
76-04353A

76-00047A

76-04121A

76-05993A

76-06093C

76-06096C

76-09208P

76-00064A

76-05972C

76-03366A

76-05476P

76-00895A

76-07905C

76-01690P

76-03084C

76-03084C

76-03153A

76-00396C

76-06037A

76-03761A

76-03356A

76-02318A

76-07876A

76-07732P

76-03117P

76-03038A

76-03361A

76-00759P

76-05475P

76-00768P

76-05483P

76-07901A

76-03055A

76-03125P

76-06646P

76-06646P

76-01000P

76-01001P

76-05393A

76-08279C

76-05490P

76-05477P

76-00835P

76-05779P

76-00700A

76-01694P

76-07920C

76-05494P

76-05495P

76-05700P

76-03128P

76-07487P

76-07489P

76-00840P

76-07768P

76-07493P

76-03133P

76-03134P

76-03135P

76-00844P

76-07940C

76-07497P

76-05500P

76-00848P

76-07503P

76-06880P

76-05504P

76-07504P

76-07505P

76-03458P

76-06880P

76-00853P

76-07510P

76-00787P

76-05672P

76-07940C

76-05507P

76-07511P

76-03140P

76-07512P

76-06880P

76-07513P

76-05510P

76-00720C

76-00721A

76-03818P

PROCESS FOR FABRICATING A CUP-SHAPED DRAM CAPACITOR  
PROCESS FOR FORMING INTEGRATED CAPACITORS  
PROCESS INTEGRATION FOR NONVOLATILE FERROELECTRIC  
PROCESS OF FABRICATING SEMICONDUCTOR DEVICE HAVING  
PROCESSING AND PROPERTIES OF  
PZT THIN FILMS FOR FERROELECTRIC CAPACITOR AND METHOD  
RECOVERY OF HYSTERESIS CAPACITANCE-VOLTAGE CURVES OF  
RELIABILITY STUDY OF CERAMIC MULTILAYER CAPACITORS  
SEMICONDUCTOR PROCESSING METHODS OF FORMING STACKED  
STORAGE CAPACITOR STRUCTURES USING CVD TIN ON  
SUBSTITUTED BARIUM-NEODYMIUM-TITANIUM PEROVSKITE  
THIN-FILM CAPACITORS ON GALLIUM ARSENIDE SUBSTRATE AND  
USE OF TANTALUM OXIDE CAPACITOR ON CERAMIC CO-FIRED  
VARIATIONS OF INTERFACE POTENTIAL BARRIER HEIGHT AND  
VERTICAL TRANSISTOR WITH HIGH-DENSITY DRAM CELL AND  
VISCOS FLOW OF  $\text{ZnF}_2\text{-PbF}_2\text{-SiO}_2\text{-B}_2\text{O}_3\text{-GeO}_2$  GLASSES AND  
VOLTAGE-CONTROLLED CAPACITOR FOR WIDE-BAND TUNING

## CARBIDES

ALUMINIUM NITRIDE, ALUMINIUM NITRIDE CONTAINING SOLID  
CARBIDE AND CARBONITRIDE SURFACE TREATMENT METHOD FOR  
COATED CEMENTED CARBIDE MEMBER  
COATING COMPOSITIONS FOR THE INNER WALL OF CATHODE-RAY  
COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT  
CROWNED SURFACE WITH PDC LAYER  
CUTTING ELEMENT FOR DRY CUTTING  
DENSIFIED MICROGRAIN REFRACTORY METAL OR SOLID  
ELABORATION, MICROSTRUCTURE AND PROPERTIES OF TANTALUM  
FABRICATION OF BRAZABLE IN AIR DIAMOND TOOL INSERTS  
HARDFACING COMPOSITION FOR EARTH BORING BITS  
HIGH-PERFORMANCE CERAMIC COATINGS CONTAINING  
HIGH-PRESSURE PHASE BORON NITRIDE SINTERED BODY FOR  
MACROCOMPOSITE BODIES  
MATERIAL FOR ELECTRIC CONTACTS TAKING SILVER-TIN OXIDE  
METAL, ALLOY, OR METAL CARBIDE NANOPARTICLES AND A  
METAL CARBIDE FIBRES  
METHOD AND APPARATUS FOR MAKING HEAT EXCHANGER FINS  
METHOD FOR COATING METAL DISK SUBSTRATES FOR  
METHOD FOR DISPERSING CERAMIC MATERIAL IN AN AQUEOUS  
METHOD FOR FORMING CHROMIUM CARBIDE BASED CERAMICS  
METHOD FOR FORMING A DIAMOND-COATED FIELD Emitter AND  
METHOD FOR PRODUCING UNIFORM HIGH QUALITY ABRASIVE  
METHOD FOR THE PRODUCTION OF IRON CARBIDE  
METHOD OF APPLYING A FILLED IN METAL CARBIDE HARD  
METHOD OF MAKING ALUMINA ABRASIVE GRAIN HAVING A METAL  
MOVING BED PROCESS FOR CARBOTHERMALLY SYNTHESIZING  
NANOAGNETIC CERAMICS FOR RECORDING/REPRODUCING HEADS  
PASSIVATION METHOD AND STRUCTURE USING HARD CERAMIC  
PREPARATION OF METAL CARBIDE CATALYST SUPPORTED ON  
PROCESS FOR PREPARATION OF METAL CARBIDE FIBRES  
PROCESS FOR PRODUCING CARBIDE PARTICLES DISPersed IN  
SINTERED BODY FOR CHIP FORMING MACHINE  
STRESS SENSOR FABRICATED FROM A MATERIAL HAVING  
STUDY ON SYNTHESIS AND MECHANICAL PROPERTIES OF  
SYNTHESIS AND THE PHYSICAL PROPERTIES OF THE SINGLE  
SYNTHESIS OF NANOSTRUCTURED MATERIALS BY MECHANICAL

## WEAR-RESISTANT TOOLS

## CARBON

AMORPHISATION OF GRAPHITE INDUCED BY MECHANICAL  
AMORPHOUS SILICON OXYCARBIDE COATED SILICON CARBIDE OR  
ANTIOXIDATIVE PROTECTIVE COATINGS FOR CARBON MATERIALS  
APPARATUS FOR SYNTHESIZING DIAMOND FILMS UTILIZING AN  
ARTICLES HAVING DIAMONDLIKE PROTECTIVE THIN FILM  
CARBON COMPOSITE BIOMATERIALS  
CARBON NITRIDE AND ITS SYNTHESIS  
CERAMIC MATERIALS AS IMPLANTS  
CHARACTERISTICS OF DIAMONDLIKE CARBON THIN FILMS  
CHEMICAL VAPOUR DEPOSITION OF PYROLYTIC CARBON FROM  
COMPOSITE CERAMIC SINTERED MATERIAL AND SLIDER MEMBER  
COMPOSITE MATERIALS BASED ON BORON CARBIDE, TITANIUM  
COMPOSITE OF SILICON CARBIDE AND CARBON AND METHOD OF  
DENSE, SELF-SINTERED SiC/CARBON GRAPHITE COMPOSITE  
DETERMINATION OF SELECTED PROPERTIES OF  
EFFECT OF BURNING TEMPERATURE ON THE STRUCTURAL  
EFFECT OF OXYGEN-GAS CONCENTRATION IN THE  
EFFECT OF REFRACTORY OXIDES ON THE OXIDATION OF  
ENHANCED FLUX PINNING IN SUPERCONDUCTORS BY NANOTUBES  
EXPLOSIVE GROWTH FOR DIAMOND AND STRUCTURAL CARBON  
FORMATION OF AMORPHOUS CARBON CONTAINING SILICON FROM  
FRICTION PROPERTIES OF NEW POROUS CARBON MATERIALS:  
GRADED IMPLANTATION OF  $\text{C}_1$  AND  $\text{B}_1$  ION IN CARBON  
GRAPHITISATION OF PETROLEUM COKE BY ALUMINIUM  
GROWTH OF ZINC-BLENDED GaN ON GaAs(100) SUBSTRATES AT  
HIGH RESISTIVITY MATERIAL AND CONVEYOR BELT USING SAME  
HIGH FLEXURAL STRENGTH CARBON FIBRE REINFORCED SILICON  
HYBRID PLASMA CVD OF DIAMOND-LIKE CARBON (DLC) AT LOW  
ION INJECTED MOLD FOR PRESSING A MOULDED GLASS  
MECHANICAL PROPERTIES AND MICROSTRUCTURAL ANALYSIS OF  
MECHANICAL PROPERTIES OF POROUS CARBON MATERIAL  
MECHANICAL PROPERTIES OF POROUS CARBON MATERIALS I.E.  
METHOD AND APPARATUS FOR MAKING HEAT EXCHANGER FINS  
METHOD FOR ETCHING BORON NITRIDE  
METHOD FOR MAKING GLASS ARTICLES HAVING A PERMANENT  
METHOD FOR PRODUCING CARBIDE SURFACE COATINGS ON  
METHOD OF DEPOSITING CRYSTALLINE CARBON-BASED THIN  
METHOD OF MANUFACTURING A SUPERCAPACITOR ELECTRODE  
METHOD OF PRODUCING GLASS MATERIALS FROM ASH-SLAG  
NEW POROUS CARBON MATERIALS, WOODCERAMICS: DEVELOPMENT  
ORTHOPEDIC PROSTHETIC IMPLANTS WITH PYROLYTIC CARBON  
OXIDATION PROTECTION FOR CARBON/CARBON COMPOSITES  
PLASMA ENHANCED CHEMICAL VAPOUR DEPOSITION OF  
POWER RESISTOR, METHOD OF MANUFACTURING THE SAME, AND  
PROCESS FOR PREPARING CARBON-CONTAINING REFRACTORY  
PROCESS FOR PRODUCING ARTICLES OF CARBON-SILICON  
PROCESS FOR PRODUCING CERAMIC COMPONENTS OF SILICON  
PROCESS FOR THE PRODUCTION OF CARBON-FILLED CERAMIC  
REFRACTORY CERAMIC MASS AND ITS USE  
REFRACTORY SAND COMPOSITION  
RIGIDIZED, LOW DENSITY INSULATION  
SELECTING SEAL MATERIAL FOR OLEFINS USING AN  
SILICA GEL, TENAX, AND CARBON MEDIA ADSORPTION TUBE  
SILICON CARBOXYDE FIBRES FROM GEL SPINNING  
SINGLE COMPONENT INORGANIC/ORGANIC NETWORK MATERIALS  
SIZE-EFFECT ON THE FRACTURE TOUGHNESS AND THE R-CURVE  
SOLUBLE POLYMERIZATION OF CARBON FIBRES USING AN  
STRUCTURAL CHARACTERISTICS OF MOVCD GROWN AIM FILMS  
STRUCTURE OF CARBON PRODUCED BY HYDROTHERMAL TREATMENT  
SUBSTRATE OF A CERAMIC MATERIAL  
TRANSITION METAL-CONTAINING HYDROPHOBIC SILICA  
TRICARBONIC CHARACTERISTICS OF DIAMOND-LIKE CARBON  
TRIBOLOGICAL INVESTIGATIONS AND STRUCTURAL  
WEAR PROPERTIES OF NEW POROUS CARBON MATERIALS:

## CARBON DIOXIDE

ANODIC REACTION MECHANISM DETERMINING THE THRESHOLD

BASE TREATED A2O3 IN PRESSURE SWING ADSORPTION

76-03143P  
76-03341P  
76-03062A  
76-03343P  
76-03425C  
76-05718P  
76-03066A  
76-03431A  
76-07861P  
76-05517P  
76-00796P  
76-05518P  
76-07530P  
76-06892P  
76-02192P  
76-00748A  
76-00749C

76-08970P  
76-04529P  
76-04529P  
76-06925P  
76-04208P  
76-06926P  
76-08749P  
76-02046P  
76-02229P  
76-08670C  
76-09004P  
76-08751P  
76-02572P  
76-02083P  
76-06624P  
76-05197P  
76-02100P  
76-08029P  
76-04313P  
76-06631P  
76-02104P  
76-06286P  
76-04317P  
76-04029C  
76-09056P  
76-09057P  
76-04964P  
76-06698P  
76-03671P  
76-03338P  
76-04639P  
76-02152P  
76-08108P  
76-06096C  
76-08757P  
76-08733A  
76-08850A  
76-01299C  
76-03789A  
76-02403P

CEMENT TREATED WITH HIGH-PRESSURE CO<sub>2</sub>  
CO<sub>2</sub> REDUCTION IN THE MOLTEN 62/38 MOLE% Li/K CARBONATE  
**CARBON FIBRES**  
COMPOSITES FOR WEAR  
**CARBON NITRIDE**  
CARBON NITRIDE FILMS PREPARED BY ION IMPLANTATION  
**CARBON-CARBON COMPOSITES**  
CARBON FIBRE-REINFORCED CARBON/CARBON COMPOSITE AND  
DIAMOND/CARBON/CARBON COMPOSITE USEFUL AS AN INTEGRAL  
METHOD FOR REPAIR OF COATINGS ON CARBON-CARBON  
**CARBONATE**  
ADVANCES IN CARBONATE FUEL CELL MATRIX AND ELECTROLYTE  
ALTERNATIVE ROUTES FOR FORMATION OF POROUS NiO/MCFC  
ANALYSIS OF MCFC PERFORMANCE USING A CELL WITH GAS  
BEHAVIOUR OF NICKEL ALUMINATE SPINEL UNDER REDUCING  
CARBONATE FUEL CELL POWER PLANT DEVELOPMENT AND  
CARBONATE FUEL CELLS—A DECADE OF PROGRESS  
CATHODES IN MOLTEN CARBONATE FUEL CELLS: MATHEMATICAL  
CHARACTERISATION OF A 100 cm<sup>2</sup> CLASS MOLTEN CARBONATE  
CO<sub>2</sub> REDUCTION IN THE MOLTEN 62/38 MOLE% Li/K CARBONATE  
COMPARISON OF AVAILABLE SHORTING MODELS FOR THE MCFC  
COMPUTER MODEL FOR DIRECT CARBONATE FUEL CELLS  
CORROSION OF STAINLESS STEEL 304 IN MOLTEN CARBONATES  
DEGRADATION OF THE COMPONENTS IN MOLTEN CARBONATE FUEL  
DEVELOPING DIR-MCFC COGENERATION SYSTEMS FOR THE  
DEVELOPMENT OF 250 kW STACK FOR 1 MW MCFC PILOT PLANT  
DEVELOPMENT OF MOLTEN CARBONATE FUEL CELL MATRIX BY  
DEVELOPMENT OF A TEST CELL FOR THE DIRECT OBSERVATION  
DIFFUSION CONSTANTS AND SOLUBILITY VALUES OF CO<sub>2</sub> AND  
EFFECT OF CARBONATE COVERAGE ON ALLOY CORROSION IN  
EFFECTS OF OXIDANT GAS COMPOSITION ON THE POLARISATION  
ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY OF A 100 cm<sup>2</sup>  
ELECTROCHEMICAL INVESTIGATION OF THE CORROSION  
EXPRESSION OF MCFCs CATHODE REACTION RESISTANCE BASED  
FUNCTIONING OF THE NiO/LiCoO<sub>2</sub>-DOUBLE-LAYER CATHODES OF  
HIGH TEMPERATURE CORROSION OF MODEL ALLOYS AND  
IMPROVEMENT OF CELL COMPONENTS FOR A LONG LIFE MCFC  
IN SITU OXIDATION BEHAVIOUR OF Ni AND Ni-Co ALLOY IN  
INTERNAL RESISTANCE COMPUTATIONS FOR MCFC USING  
LIFE OF INTERNAL REFORMER FOR MCFC  
LONG-TERM OPERATION OF THE 100-cm<sup>2</sup> SINGLE CELL OF MCFC  
MATERIALS DURABILITY FOR MCFC  
MCFC DEVELOPMENT STATUS AT M-K POWER CORPORATION  
MCFC ELECTROLYTE BEHAVIOUR: Li/K VS Li/Na CARBONATE  
NERNST LOSS IN FUEL CELLS AND FUEL CELL DESIGNS IN  
PREDICTION OF PERFORMANCE OF MOLTEN CARBONATE FUEL  
SEGREGATION AND TRANSPORT OF ALKALI AND ADDITIVE  
SOLUBILITY OF IN SITU OXIDIZED NiO IN Li<sub>2</sub>Na<sub>2</sub>CO<sub>3</sub> MELT  
SPECTROSCOPIC MEASUREMENTS RELATIVE TO THE NICKEL  
STUDIES OF NATURAL GAS AND BIOMASS FUELED MCFC SYSTEMS  
STUDY OF THE ELECTROCHEMICAL EQUILIBRIA IN MOLTEN  
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**CARBONATES**  
PROCESS FOR PRODUCING MOLTEN CARBONATE FUEL CELLS  
**CARBONATION**  
BEHAVIOUR OF Ca(OH)<sub>2</sub> IN THE PRESENCE OF THE SET  
CRACKS IN SOREL'S CEMENT POLISHING BRICKS AS A RESULT  
HOT ALKALI CARBONATION OF SODIUM METAPHOSPHATE  
INFLUENCE OF KOH SOLUTION ON THE HYDRATION AND  
SYNTHESIS OF VATERITE BY CARBONATION PROCESS IN  
**CARBONITRITRATION**  
CARBONITRIDING OF ALUMINA TO PRODUCE ALUMINUM NITRIDE  
CARBONITRIDE NITRATION SYNTHESIS OF ALPHA-Si<sub>3</sub>N<sub>4</sub>  
CARBOTHERMAL REDUCTION AND NITRATION OF ALUMINUM  
CONTINUOUS PROCESS FOR THE PREPARATION OF SILICON  
CONTROL OF PARTICLE SIZE IN Si<sub>3</sub>N<sub>4</sub> POWDERS PREPARED BY  
FORMATION OF AIN AND 15R PHASE IN THE CARBOTHERMIC  
VARIATIONS OF PHYSICAL PROPERTIES IN PELLETS  
**CARBONITRIDES**  
CARBIDE AND CARBONITRIDE SURFACE TREATMENT METHOD FOR  
GRAPHITE RELATIONSHIP OF BC/N  
METHOD FOR PRODUCING CARBON NITRIDE FILMS  
NEW MATERIALS HARDER THAN DIAMOND - CARBON NITRIDE  
PROCESS FOR PRODUCING TRANSPARENT CARBON NITRIDE FILMS  
PROTECTIVE OVERCOATINGS FOR MAGNETIC-RECORDING DISKS  
SINTERED BODY FOR CHIP FORMING MACHINE  
TRANSPARENT CARBON NITRIDE FILMS AND COMPOSITIONS OF  
**CARBOTHERMAL**  
SYNTHESIS OF SILICON CARBIDE WHISKERS USING THE  
**CARBOTHERMAL PRODUCTION**  
CARBOTHERMAL SYNTHESIS OF TiC WHISKERS VIA A  
CARBOTHERMIC REACTION PROCESS FOR MAKING NANOPHASE  
EFFECT OF SILICON NITRIDE SEEDS ON THE CARBOTHERMAL  
MECHANICALLY ENHANCED CARBOTHERMIC SYNTHESIS OF  
METHOD FOR SYNTHESIZING TITANIUM NITRIDE WHISKERS  
SILICON CARBIDE POWDERS WITH HIGH SPECIFIC SURFACE  
VAPOUR-PHASE REDUCTION AND THE SYNTHESIS OF  
**CARBOTHERMAL REDUCTION**  
BALL MILLING INDUCED LOW-TEMPERATURE CARBOTHERMIC  
CARBOTHERMAL REDUCTION OF CLAYS TO FORM Al<sub>2</sub>O<sub>3</sub>-SiC  
CARBOTHERMAL REDUCTION OF SILLIMANITE  
CARBOTHERMAL REDUCTION SYNTHESIS OF ALUMINUM  
CONTROL OF PARTICLE SIZE IN Si<sub>3</sub>N<sub>4</sub> POWDERS PREPARED BY  
EFFECT OF CONTACT AREA ON SYNTHESIS OF SILICON CARBIDE  
FORMATION AND STABILITY OF GAMMA-ALUMINUM OXYNITRIDE  
FORMATION OF AIN AND 15R PHASE IN THE CARBOTHERMIC  
HIGH-TEMPERATURE ENVIRONMENTAL STABILITY OF THE  
METHOD FOR PRODUCING SILICON NITRIDE/SILICON CARBIDE  
MICROWAVE-ASSISTED SELECTIVE DEOXYGENATION OF LAYER-  
MOVING BED PROCESSES FOR CARBOTHERMICALLY SYNTHESIZING  
PREPARATION OF BETA-SILICON CERAMICS FROM FLY-ASH  
PREPARATION OF ZIRCONIA AND SILICON CARBIDE WHISKER  
Si<sub>3</sub>N<sub>4</sub>/SiC COMPOSITE DENSIFIED MATERIALS PREPARED USING  
SILICON CARBIDE POWDER SYNTHESIS FROM SILICON MONOXIDE  
STACKING FAULTS IN BETA-SiC FORMED DURING CARBOTHERMAL  
SYNTHESIS OF SUBMICROMETRE TITANIUM CARBIDE POWDERS  
VARIATIONS OF PHYSICAL PROPERTIES IN PELLETS  
VOLATILE PRODUCTS FORMED BY CARBOTHERMAL REDUCTION AND  
**CARBOTHERMAL SYNTHESIS**  
TOTAL AQUEOUS PROCESSING OF CARBOTHERMALLY PRODUCED  
**CARRIER**  
CHEMICALLY ACTIVE CERAMIC COMPOSITIONS WITH A  
DEPENDENCE OF Ti ON CARRIER CONCENTRATION IN HIGH-Ti  
FERRITE CARRIER FOR ELECTROPHOTOGRAPHIC DEVELOPER AND  
INCORPORATION OF BIOLOGICALLY ACTIVE MOLECULES INTO  
INVESTIGATION OF THE MULTICARRIER TRANSPORT PROPERTIES  
SEMICONDUCTOR MEMORY DEVICE FABRICATION PROCESS  
THERMALLY ENHANCED BALL GRID ARRAY PACKAGE  
**CASTABLES**  
AGEING OF ALUMINOUS CEMENT IN LCC  
ALUMINA BASED CASTABLES WITH VERY LOW CONTENTS OF  
APPLICATION AND DEVELOPMENT OF UNSHAPED REFRACTORIES

76-06979P  
76-05347C  
76-06576P  
76-02203A  
76-06552P  
76-06590P  
76-04598P  
76-05329C  
76-05331C  
76-05334C  
76-05337C  
76-06876C  
76-05339C  
76-05341C  
76-05342C  
76-05347C  
76-05348C  
76-05351C  
76-05355C  
76-05357C  
76-05359C  
76-05360C  
76-05365C  
76-05366C  
76-05368C  
76-05371C  
76-05378C  
76-05381C  
76-05382C  
76-05389C  
76-05392C  
76-05395C  
76-05399C  
76-05400C  
76-05403C  
76-05407C  
76-05409C  
76-05412C  
76-05413C  
76-05414C  
76-05422C  
76-05432C  
76-05441C  
76-05451C  
76-05452C  
76-05456C  
76-05457C  
76-05460C  
76-04654P  
76-04973A  
76-02415A  
76-04989A  
76-05396P  
76-06087A  
76-02051P  
76-04230A  
76-01908A  
76-08896P  
76-04238A  
76-06230C  
76-02030A  
76-04529P  
76-06253C  
76-09047P  
76-06252A  
76-06745P  
76-06761P  
76-08290P  
76-04683P  
76-01555A  
76-03923A  
76-08976P  
76-04548A  
76-05061A  
76-09053P  
76-06268C  
76-01790A  
76-05822A  
76-06381C  
76-06382A  
76-06847A  
76-04238A  
76-03665A  
76-08371A  
76-06230C  
76-08511A  
76-02108P  
76-01970A  
76-06586P  
76-06257C  
76-04009A  
76-09127P  
76-08724A  
76-01784A  
76-08738A  
76-02030A  
76-04304A  
76-05403A  
76-06568P  
76-03518A  
76-03490P  
76-04573P  
76-03231A  
76-01784A  
76-02540P  
76-00377C  
76-00378C  
76-00379C  
76-00380C  
APPLICATION OF ALUMINA-MAGNESIA CASTABLE FOR WALL OF  
APPLICATION OF ALUMINA-MAGNESIA CASTABLE TO STEEL  
APPLICATION OF ALUMINA-SPINEL CASTABLE REFRACTORIES TO  
APPLICATION OF ALUMINA-SPINEL CASTABLE REFRACTORIES TO  
APPLICATION OF MgO-C CASTABLE FOR LADLE FURNACE SLAG  
APPLICATION OF MONOLITHIC LINING FOR THE STEEL LADLE  
APPLICATION OF SELF-FLOW CASTABLE REFRACTORIES FOR  
APPLICATION OF SELF-FLOW TYPE CASTABLE REFRACTORIES IN  
APPLICATION TECHNOLOGY OF MONOLITHIC REFRACTORIES IN  
APPLICATIONS OF SELF-FLOWING CASTABLE REFRACTORIES FOR  
APPLIED TECHNOLOGY OF ROUNDER OF STAINLESS STEEL FIBRE  
BEHAVIOUR OF ADDED MgO POWDER TO CASTABLE  
BEHAVIOUR OF TUNDISH CASTABLE AT HIGH TEMPERATURE  
BETTER MONOLITHICS INTO THE NEXT CENTURY  
CASTABLE REFRACTORIES FOR STEEL LADLE BOTTOM  
CASTABLE REFRACTORY MATERIAL  
CASTABLES IN THE SYSTEM MgO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub>  
COMPARISON OF VARIOUS HIGH ALUMINA AGGREGATES IN 90%  
CONSIDERATION OF WEAR MECHANISM OF CASTABLE FOR STEEL  
CORROSION OF REFRACTORIES AT THE BELLBAND OF  
CORROSION RESISTANCE OF Al<sub>2</sub>O<sub>3</sub>-SiC CASTABLES TO MOLTEN  
Cr<sub>2</sub>O<sub>3</sub>-BASED CLINKERS AND Cr<sub>2</sub>O<sub>3</sub>-Al<sub>2</sub>O<sub>3</sub>-ZrO<sub>2</sub> REFRACTORIES  
DEMANDS ON UNSHAPED REFRACTORIES IN THE NEXT DECADE  
DEVELOPMENT AND APPLICATION OF LIGHTWEIGHT INSULATING  
DEVELOPMENT AND APPLICATION OF A NOVEL REFRACTORY  
DEVELOPMENT AND APPLICATION OF SCUM WEIR FOR A TUNDISH  
DEVELOPMENT OF ALUMINA-MAGNESIA CASTABLE FOR STEEL  
DEVELOPMENT OF CaO-CONTAINING BASICITY CASTING  
76-02801A  
76-02802A  
76-02335A  
76-05236A  
76-00381A  
76-02806A  
76-00384C  
76-00385C  
76-00386C  
76-00390C  
76-02810A  
76-00393C  
76-05241A  
76-05242A  
76-07290A  
76-00398A  
76-02963P  
76-00399C  
76-05243A  
76-02820A  
76-02821C  
76-00403C  
76-00399C  
76-00407C  
76-05246A  
76-02828C  
76-00412C  
76-00413A  
76-00414C  
76-02831A  
76-00415C  
76-02841A  
76-00429A  
76-02843C  
76-02845A  
76-05251A  
76-02846A  
76-02847C  
76-02848A  
76-02853A  
76-00425A  
76-02856A  
76-00429A  
76-05253A  
76-05254A  
76-02854A  
76-00469C  
76-05260A  
76-02870A  
76-00450A  
76-00453A  
76-02876A  
76-07308A  
76-05263A  
76-05264A  
76-00462C  
76-05265A  
76-02884A  
76-02888A  
76-00470C  
76-07313A  
76-00471C  
76-00476C  
76-05274A  
76-03987A  
76-02900A  
76-02901A  
76-05277A  
76-00490C  
76-00491C  
76-02909C  
76-02910C  
76-03858C  
76-02919C  
76-07322A  
76-00500C  
76-07323A  
76-05283A  
76-02924C  
76-00504C  
76-06060A  
76-06061A  
76-02928C  
76-02930A  
76-02930A  
76-07329A  
76-00516A  
76-01529C  
76-00519A  
76-02939C  
76-05293A  
76-0534C  
76-02950A  
76-02952A  
76-00542A  
76-05295A  
76-02953C  
76-00383A  
76-00385A  
76-00390C  
76-08076P  
76-01107P  
76-08125A  
76-00582C  
76-04207P  
76-00153P  
76-06081P  
76-08749P  
76-01189A  
76-01191A  
76-04366A  
76-06997A  
76-00430A  
76-00587C  
76-08160A  
76-02869C  
76-08757P  
76-00780P  
76-02088P  
76-07261P  
76-04608P  
76-08020P  
76-04966P  
APPLICATION OF BETA-Al<sub>2</sub>O<sub>3</sub> TO IMMERSION NOZZLE FOR  
APPLICATION OF SELF-FLOW CASTABLE REFRACTORIES FOR  
APPLICATION TECHNOLOGY OF MONOLITHIC REFRACTORIES IN  
(Bi,Pb)SrCaCuO PRECURSOR MATERIAL FOR THE OXIDE POWDER  
BRONZE-TINTED OR GREY-TINTED SODA LIME SILICATE GLASS  
CASTING CERAMIC MICROSTRUCTURES USING LiClO<sub>4</sub> TECHNOLOGY  
CASTING SANITARYWARE - MECHANISATION, AUTOMATION AND  
CERAMIC MATERIAL FOR USE IN CASTING REACTIVE METALS  
CERAMIC SHELL COMPOSITIONS FOR CASTING OF REACTIVE  
CERAMIC SHELL MOULDS AND CORES FOR CASTING OF REACTIVE  
CHROMIUM SURFACE WITH POLYMER  
DIRECT COAGULATION CASTING - A NEW GREEN SHAPE  
DIRECT COAGULATION CASTING - A NEW GREEN SHAPING  
DISCRETE ELEMENT MODELLING OF COLLOIDAL PACKING  
EFFECT OF MICROSTRUCTURAL FEATURES ON THE AGEING  
EFFECT OF POROUS CARBON ON THE PERMEABILITY OF A GAS  
EVALUATION OF SANITARYWARE BODY COMPOSITION  
FLEXIBLE AUTOMATION FOR WHITEWARE  
FORMLESS CASTING OF CEMENT-FREE CASTABLES  
HARDFACING COMPOSITION FOR EARTH BORING BITS  
HIGH JOINT PROPERTIES AND METHODS FOR MANUFACTURING THE  
INSULATED PORT LINEAR ASSEMBLY  
METHOD FOR THE FABRICATION OF FLUORIDE GLASS SINGLE  
METHOD OF MAKING A CYLINDER BARREL HAVING CERAMIC BORE  
METHOD OF PRODUCING CAST MAGNETIC SOFT FERRITE  
MONOLITHIC SELF-SHARPENING ROTARY DRILL BIT HAVING

- PROCESS FOR PREPARING AND USING A CERAMIC SHELL AS A  
PROCESS FOR PREPARING GLASS-CERAMIC GREEN SHEETS  
PROCESS FOR PREPARING A HIGH-TC SUPERCONDUCTOR AS A  
QUICK CHANGE SYSTEM FOR SUBMERGED ENTRY NOZZLES  
THIXOTROPIC CASTING OF CERAMIC-METAL FUNCTIONALLY
- CASTING PROPERTIES**  
SLIP CASTING ALUMINA WITH Na-CMC
- CASTING SLIPS**  
EFFECTS OF ORGANICS IN CASTING SLIPS
- CATALYST**  
PREPARATION OF SILICA FROM RICE HUSKS
- CATALYST SUPPORTS**  
CARBON DIOXIDE REFORMING OF METHANE OVER NICKEL  
CERAMIC HONEYCOMBS COATED WITH ZEOLITE ZSM-5 FOR NO<sub>x</sub>  
CHARACTERISATION OF PRE-SHAPED ZIRCONIA BODIES FOR  
DIFFUSION OF TRANSITION METALS (Co, Ni) AND ITS EFFECTS  
FORMED COMPOSITIONS  
HIGHLY EFFICIENT CERAMIC CATALYTIC BLOCKS WITH A  
INDUCED-AIR CATALYTIC BURNER AND APPARATUS  
METAL SUPPORT INTERACTION IN SOL-GEL Pt/TiO<sub>2</sub> CATALYSTS  
PREPARATION OF DEHYDROXYLATED SUPPORTS  
PREPARATION OF HIGH-TEMPERATURE CATALYTIC SUPPORT FROM
- RHEOLOGY AND EXTRUDABILITY OF ALUMINA PASTE FOR  
SURFACE AND STRUCTURE CHARACTERISATION OF SOME  
SYNTHESIS AND CHARACTERISATION OF TiO<sub>2</sub>-SiO<sub>2</sub> SOL-GEL  
SYNTHESIS OF STABLE SUPPORTS CONSISTING OF SiC-Si
- CATALYSTS**  
ADSORPTION AND CATALYTIC REACTION OF CFC-11 ON NaX  
AUTOMOTIVE CATALYSTS WITH IMPROVED OXYGEN STORAGE AND  
BORON-CONTAINING CATALYST  
CARBON DIOXIDE REFORMING OF METHANE OVER NICKEL  
CATALYST AND METHOD FOR DENITRIFICATION OF NITROGEN  
CATALYST FOR THE DEEP OXIDATION OF ORGANIC COMPOUNDS  
CATALYSTS  
CHALLENGES LIE AHEAD FOR MAKERS OF AUTOMOTIVE CATALYST  
COMPUTER MODELLING OF V2O<sub>5</sub> SURFACE STRUCTURES  
COPPER-CONTAINING ZEOLITE CATALYSTS  
EFFECT OF PREPARATION METHOD ON THE DISPERSION AND  
ELECTRON PARAMAGNETIC RESONANCE SPECTRA OF CoO<sub>2</sub>  
GLASS FIBRE BINDING COMPOSITIONS, PROCESS OF AND  
GRAPHITISATION OF PETROLEUM COKES BY ALUMINIUM  
HIGH PERFORMANCE VPO CATALYST AND PROCESS OF  
HYDROGEN SULPHIDE CONVERSION WITH NANOPHASE TITANIA  
INTERNAL REFORMING IN STATE-OF-THE-ART SOFCs  
KINETIC AND STRUCTURAL STUDIES OF OXYGEN AVAILABILITY  
LITHIUM MANGANESE OXIDE COMPOUND AND METHOD OF
- METAL SUPPORT INTERACTION IN SOL-GEL Pt/TiO<sub>2</sub> CATALYSTS  
METALLO MANGANESE OXIDES  
METHOD FOR PRODUCING CATALYST-GRADE Al<sub>2</sub>O<sub>3</sub> FROM  
MODIFIED Y-ZEOLITE PROCESS FOR THE PREPARATION  
NITROUS OXIDE DECOMPOSITION USING A SOLID OXIDE  
PRECURSOR DEPENDENCE OF THE NATURE AND STRUCTURE OF  
PREPARATION OF CATALYTICALLY ACTIVE POLY-METAL OXIDE  
PREPARATION OF METAL CARBIDE CATALYST SUPPORTED ON  
PREPARATION OF V<sub>2</sub>O<sub>5</sub> AND TiO<sub>2</sub> AMMOXIDATION  
PREPARATION, STRUCTURAL CHARACTERISTICS AND CATALYTIC  
PROCESS FOR PREPARING SILICA-TITANIA CATALYST  
REDISTRIBUTION OF COPPER IN KCl-PROMOTED  
REFRACTORY OXIDE BASED SILVER-TUNGSTEN LEAN NO<sub>x</sub>  
ROLE OF LATTICE WATER IN DETERMINING THE REACTIVITY OF  
SELECTIVE CATALYTIC REDUCTION: ALTERNATIVE DIFFERENT  
SELECTIVE CATALYTIC REDUCTION: THE EXPERIENCE OF  
STUDY ON SELECTED PROPERTIES OF La<sub>1-x</sub>Sr<sub>x</sub>CoO<sub>3</sub> AND ITS  
SUBSTRATE CONFIGURATION FOR CATALYTIC COMBUSTION  
SULPHATED SnO<sub>2</sub>-SiO<sub>2</sub> SUPERACID CATALYSTS BY SOL-GEL  
SURFACE AND STRUCTURE CHARACTERISATION OF SOME  
SYNTHESIS AND CHARACTERISATION OF VARIOUS MgO AND  
TEXTURE OF COKE DEPOSITING ON GAMMA-Al<sub>2</sub>O<sub>3</sub> BIPOROUS  
THERMAL STABILITY OF HEXAALUMINATE FILM COATED ON SiC  
THERMALLY STABLE RHODIUM/ALUMINA CATALYSTS  
TIME DEPENDENCE OF METHANE STEAM REFORMING ON NICKEL  
TiO<sub>2</sub>-SiO<sub>2</sub> AEROGEL CATALYST FOR PHOTODEGRADATION OF  
USING 13CO AND 18O18O TRACERS TO STUDY THE REMOVAL OF  
X-RAY ABSORPTION NEAR EDGE STRUCTURES IN COBALT OXIDES  
ZIRCONIUM/CERMIUM MIXED OXIDE CATALYST/CATALYST SUPPORT
- CATALYTIC PROPERTIES**  
INFLUENCE OF PREPARATION METHOD ON CATALYTIC
- CATHODE RAY TUBE**  
CATHODE RAY TUBE  
CATHODE RAY TUBE HAVING A METAL OXIDE FILM OVER A  
COATING COMPOSITIONS FOR THE INNER WALL OF CATHODE-RAY  
COLOR CATHODE RAY TUBE  
GLASS BULB FOR A CATHODE RAY AND A METHOD OF PRODUCING
- CATHODES**  
ALKALINE CELL HAVING A CATHODE INCLUDING A TITANATE  
ALTERNATE SYNTHETIC METHOD FOR MIXED METAL OXIDE  
ALTERNATIVE ROUTES FOR FORMATION OF POROUS NiO/MCFC  
ANALYSIS OF MCFC PERFORMANCE USING A CELL WITH GAS  
BORON NITRIDE COLD CATHODE  
CATHODES IN MOLTEN CARBONATE FUEL CELLS: MATHEMATICAL  
CURRENT CROWDING AND POWER DISSIPATION IN A Cds/LAS  
ELECTROCHEMICAL CELL AND ITS USE FOR THE SEPARATION  
ELECTRON EMISSION FROM COLD CATHODES  
EXPRESSION OF MCFCs CATHODE REACTION RESISTANCE BASED  
FLAT PANEL DISPLAY BASED ON DIAMOND THIN FILMS
- FUNCTIONING OF THE NiO/LiCoO<sub>2</sub>-DOUBLE-LAYER CATHODES OF  
IMPROVEMENT OF CELL COMPONENTS FOR A LONG LIFE MCFC  
LONG-TERM OPERATION OF THE 100-cm<sup>2</sup> SINGLE CELL OF MCFC  
MATERIALS FOR MCFCs  
METHOD FOR MAKING TRANSMISSION MODE 1.06 μm m  
NITRIDE BASED THIN FILM COLD CATHODE EMITTERS  
PROCESS FOR PRODUCING MOLTEN CARBONATE FUEL CELLS  
SOLID OXIDE FUEL CELL STACK  
WIDE BAND GAP SEMICONDUCTORS FOR COLD CATHODES: A
- CATHODOLUMINESCENCE**  
CHARACTERISATION OF GaN FILMS ON SAPPHIRE BY
- CATION DISTRIBUTION**  
CERAMIC HEATER
- CATIONS**  
BAND STRUCTURE AND CATION ORDERING IN LiGaO<sub>2</sub>  
HYBRID ORGANIC-INORGANIC SYSTEMS DERIVED FROM  
PROCESS FOR PRODUCING MIXED-CATION ZEOLITES  
SELECTIVE METAL CATION-CONDUCTING CERAMICS  
ZEOLITE GZS-11 AND ITS DYNAMIC PREPARATION PROCESS
- CAVITATION**  
CREEP BEHAVIOUR OF ALUMINA, ZIRCONIA AND  
QUANTITATIVE ANALYSIS OF CAVITATION IN Al-Cu-Mg METAL
- CB**  
APPLYING ATTRITION DRY MILLING TO CONTINUOUS AND BATCH  
PULSE FIRING IMPROVES TEMPERATURE UNIFORMITY AND
- 76-06730P  
76-07262P  
76-01124P  
76-00507A  
76-04518A  
76-03772A  
76-01461A  
76-01522A  
76-01862A  
76-09364C  
76-01582A  
76-01593A  
76-09009P  
76-06508A  
76-02393P  
76-04468C  
76-04638P  
76-04007A  
76-06051A  
76-08546A  
76-06172C  
76-04178C  
76-04739C  
76-01572A  
76-01668P  
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76-04530P  
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76-08977P  
76-08466A  
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76-04549P  
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76-05815C  
76-06136A  
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76-06620P  
76-04468P  
76-06627P  
76-09048P  
76-04628P  
76-02136P  
76-04151A  
76-06718P  
76-04639P  
76-09090P  
76-08406A  
76-04668P  
76-08574A  
76-02969P  
76-08575A  
76-06907A  
76-06908  
76-06316A  
76-01718P  
76-08590A  
76-04629C  
76-08471P  
76-08423A  
76-06810A  
76-08855A  
76-04678P  
76-05465C  
76-04188C  
76-04194A  
76-06188A  
76-06794P  
76-01616A  
76-01674P  
76-06554P  
76-04208P  
76-01679P  
76-01691P  
76-00750P  
76-07470P  
76-05331C  
76-05334C  
76-07471P  
76-05341C  
76-03168C  
76-03124P  
76-07576C  
76-05389C  
76-00776P  
76-01798P  
76-05392C  
76-05399C  
76-05409C  
76-05412C  
76-05568P  
76-07648C  
76-04654P  
76-00794P  
76-07724C  
76-07539C  
76-01677P  
76-07533C  
76-06437C  
76-06740P  
76-03145P  
76-06792P  
76-04465A  
76-02514A  
76-06378A  
76-05955A
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- 76-04595P  
76-06151C  
76-05032P  
76-00377C  
76-02456A  
76-04969A  
76-06976P  
76-06943A  
76-03403A  
76-06944A  
76-04973A  
76-08805A  
76-02411A  
76-01442P  
76-03656C  
76-02963P  
76-06977P  
76-02468P  
76-05034P  
76-02469P  
76-06978P  
76-00070P  
76-06979P  
76-00071P  
76-02413A  
76-04944A  
76-02414A  
76-02470P  
76-06980P  
76-05035P  
76-00191A  
76-02415A  
76-06948A  
76-04976A  
76-04977C  
76-02423A  
76-08950A  
76-04981A  
76-05036P  
76-00025A  
76-04984A  
76-02417A  
76-04985A  
76-02419A  
76-06951A  
76-00027A  
76-06951A  
76-06951A  
76-00028A  
76-00029A  
76-02420A  
76-02421A  
76-06953A  
76-00031A  
76-00032A  
76-02078P  
76-02425A  
76-02426A  
76-04987A  
76-01466A  
76-00036A  
76-02428A  
76-06954A  
76-06982P  
76-02471P  
76-06983P  
76-02429A  
76-06984P  
76-00072P  
76-02430A  
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76-04989A  
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76-02432A  
76-02472P  
76-02473P  
76-06957A  
76-00038P  
76-04995A  
76-00039A  
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76-00041A  
76-00042A  
76-04998A  
76-08776A  
76-05930A  
76-01491A  
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76-05033A  
76-05004A  
76-02436A  
76-05039P  
76-06959A  
76-00017P  
76-02438A  
76-01367A  
76-02440A  
76-00045C  
76-0239A  
76-00046A  
76-02476P  
76-02477P  
76-03911P  
76-01332P  
76-02479P  
76-02479P  
76-03854A  
76-02444A  
76-02445A  
76-03991A  
76-06951A  
76-00048A  
76-00050A  
76-02446A  
76-00053A  
76-00054A  
76-02448A  
76-00056A  
76-01707P  
76-00057A  
76-05014A



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76-07052P
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76-01201C  
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76-03720A  
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76-03726B  
76-00120C  
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76-02510C  
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76-01292A  
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76-01188C  
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76-08668A  
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76-09299A  
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76-01668A  
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76-01611A  
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76-03641P  
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76-05437C  
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76-05335C  
76-00093C  
76-07036P  
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76-07038P  
76-00678A  
76-00684A  
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76-00175P  
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76-07038P  
76-00678A  
76-00684A  
76-07010C  
76-05090P  
76-07049P  
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76-06885P  
76-02507C  
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76-00175P  
76-07023C  
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76-07456C  
76-07458C  
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76-00321C  
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76-02350A  
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76-07821C  
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OXYGEN NON-STOICHIOMETRY AND OXYGEN DIFFUSIVITY OF  
POROUS GLASS-CERAMICS WITH BACTERIOSTATIC PROPERTIES  
SPOTCRETING OF ULTRA-LOW CEMENT CASTABLE REFRACTORIES  
SPODUMENE: A SOURCE OF THE VERSATILE ELEMENT LITHIUM
- CHEMICAL STABILITY**  
CERAMIC AND CERAMIC COMPOSITES FOR FIRST WALL  
CHEMICAL INSTABILITY OF SILICON CARBIDE IN THE  
EFFECT OF DIFFERENT INORGANIC SALTS/ALKALI ON  
HIGH-TEMPERATURE CHEMICAL STABILITY OF PLASMA-SPRAYED  
MICROSTRUCTURAL AND CHEMICAL STABILITY OF Y-2O<sub>3</sub>  
REFRACTORY MATERIALS FOR VERY HIGH TEMPERATURE  
SURFACE MODIFICATION OF ALUMINUM NITRIDE POWDER
- CHEMICAL VAPOR DEPOSITION**  
DIAMOND FILM GROWTH OF CEMENTED TUNGSTEN CARBIDE: A  
CHEMICAL VAPOUR  
CONTROL OF SiC/C RATIO FOR THE SYNTHESIS OF SiC/C  
Li<sub>0.8</sub>Si<sub>0.2</sub>C<sub>0.7</sub>-x THIN FILMS PREPARED USING MOCVD  
METHODS OF PREPARING CEMENTED METAL CARBIDE SUBSTRATES  
NITROGEN TREATMENT FOR METAL-SILICIDE CONTACT  
PLASMA ENHANCED CHEMICAL VAPOUR DEPOSITION OF
- CHEMICAL VAPOUR DEPOSITION**  
ADHERENT DIAMOND COATING ON SILICON NITRIDE SUBSTRATE  
ALUMINUM NITRIDE BUFFER LAYER FOR DIAMOND FILM GROWTH  
ALUMINUM OXIDE LPCVD SYSTEM  
ALUMINUM OXIDE LPCVD SYSTEM  
Al<sub>0.5</sub>Ga<sub>0.5</sub>N-BASED MATERIALS AND HETEROSTRUCTURES  
ANALYSIS OF (Cr,Mo) OXYCARBIDE FILMS GROWN ON  
ANNUAL DIAMOND BODIES  
APPLICATION OF THIN CRYSTALLINE Si<sub>3</sub>N<sub>4</sub> LAYERS IN  
ATMOSPHERIC PRESSURE CHEMICAL VAPOUR DEPOSITION OF TiN  
BN/C DIELECTRIC LAYERS PREPARED BY FIELD-ASSISTED  
CARBON NITRIDE AND ITS SYNTHESIS  
CHARACTERISATION OF HYPERVELOCITY IMPACT CRATERS ON  
CHARACTERISTICS OF DIAMONDLIKE CARBON THIN FILMS  
CHARACTERISTICS OF Pt<sub>100</sub> THIN FILMS ON PtTi/SiO<sub>2</sub>/Si  
CHEMICAL INTERACTIONS ON THE BOUNDARY INTERFACES IN  
CHEMICAL VAPOUR DEPOSITION OF ELECTROCRAMIC THIN  
CHEMICAL VAPOUR DEPOSITION OF PYROLYTIC CARBON FROM  
CHEMICAL VAPOUR DEPOSITION OF SiC/C IN ELECTRIC AND  
CHEMICAL VAPOUR DEPOSITION OF CARBON SILICON BY  
CHEMICAL VAPOUR DEPOSITION OF SILICON CARBIDE ON  
CHEMICAL VAPOUR DEPOSITION OF SILICON NITRIDE IN A  
CHEMICAL VAPOUR DEPOSITION SYNTHESIS AND  
CHEMICAL VAPOUR DEPOSITION (CVD) OF  
CHEMICAL VAPOUR DEPOSITION-PRODUCED SILICON CARBIDE
- CMOS TRANSISTOR WITH TWO-LAYER INVERSE-TUNGSTEN GATE**  
COMPARISON OF THE MICROSTRUCTURE OF AlN FILMS GROWN BY  
COMPOSITE DIAMOND WIRE DIE  
CONDUCTIVE INDIUM-DOPED ZINC OXIDE FILMS PREPARED BY  
CONTROL OF ETCH PIT DENSITY IN LOW-PRESSURE-GROWN  
CONTROL OF RESIDUAL STRESS IN DIAMOND FILM FABRICATED  
CVD DIAMOND CUTTING TOOLS WITH ORIENTED CRYSTAL GRAIN  
CVD DIAMOND GROWTH ON POROUS Si  
CVD METHOD FOR COATING A GLASS SUBSTRATE  
CVD METHOD FOR DEPOSITING DIAMOND USING A HIGH  
CVD OF Al<sub>2</sub>O<sub>3</sub> LAYERS ON CUTTING INSERTS  
CVD OF METAL OXIDE FILMS THROUGH ESTER ELIMINATION  
CVD PROCESS FOR FABRICATING LAYERED SUPERLATTICE  
CVD PROCESSING CHAMBER  
DI PLASMA JET CVD METHOD FOR PRODUCING DIAMOND  
DEPENDENCES OF Pt<sub>100</sub> THIN FILMS ON Ti BATH  
DEPOSITION OF AlN ON WS<sub>2</sub>(0001) SUBSTRATE BY ATOMIC  
DEPOSITION OF CERAMIC THIN FILMS ON STAINLESS STEEL  
DEPOSITION OF SILICON NITRIDES BY PLASMA-ENHANCED  
DEPOSITION OF TANTALUM OXIDE FILMS BY DUAL SPECTRAL  
DIAGNOSTIC TECHNIQUES FOR TEMPERATURE AND SPECIES  
DIAMOND COATING OF TITANIUM ALLOYS AT TEMPERING  
DIAMOND CUTTING TOOL AND METHOD OF MANUFACTURING THE  
DIAMOND DEPOSITION IN PLASMA ACTIVATED CVD (PACVD)  
DIAMOND FILM AND SOLID NONDAMPING PARTICLE COMPOSITE  
DIAMOND GROWTH ON ION IMPLANTED SURFACES  
DIAMOND SEED CONJUGATION ONTO UNTREATED SILICON  
DIAMOND SUPPORT FOR ELECTRON MICROSCOPE  
DIAMOND/CARBON/CARBON COMPOSITE USEFUL AS AN INTEGRAL  
DIAMOND-PHASE CARBON TUBES AND CVD PROCESS FOR THEIR  
ELECTRIC AND RAMAN SPECTROSCOPY OF MIC-VD DIAMOND  
EFFECT OF GAS FLOW ON THE CHEMICAL VAPOUR DEPOSITION  
EFFECTS OF PREFERRED ORIENTATION AND MICROSTRUCTURE ON  
EFFECTS OF TRIMETHYLINDIUM ON THE PURITY OF  
ELECTRON MICROSCOPIC INTERFACIAL ANALYSIS OF DIAMOND  
EMISSION MECHANISM OF THE IN-GAN MOV GROWN BY MOCVD
- 76-06192P  
76-04947P  
76-04899P  
76-05080P  
76-05080A  
76-01107P  
76-08927A  
76-08927A  
76-04061P  
76-08249P  
76-09282A  
76-09293P  
76-04132A  
76-02517A  
76-08641C  
76-05100A  
76-03929A  
76-06402A  
76-05133A  
76-06409A  
76-08156A  
76-06409A  
76-05314A  
76-00469A  
76-05142A  
76-02435C  
76-05289A  
76-02934C  
76-05192A  
76-00269P  
76-03033A  
76-03831C  
76-04079P  
76-06194P  
76-06355P  
76-06356P  
76-06587P  
76-07690P  
76-08017P  
76-09159C  
76-07088A  
76-02939C  
76-08419A  
76-03657C  
76-07173A  
76-02419A  
76-04121A  
76-03078A  
76-02934C  
76-04031A  
76-01821C  
76-01918A  
76-01068A  
76-02113P  
76-08589P  
76-01266C  
76-08874A  
76-02486A  
76-08071P  
76-02042P  
76-07531C  
76-06990A  
76-02228P  
76-07739P  
76-01727A  
76-01730A  
76-06553P  
76-08877A  
76-08878A  
76-03358A  
76-02194C  
76-01171A  
76-03677A  
76-05928A  
76-02193P  
76-03928A  
76-04233A  
76-08131A  
76-01172A  
76-06565P  
76-05566P  
76-05533P  
76-07549C  
76-06282P  
76-07416A  
76-00800A  
76-01917A  
76-06928P  
76-04424A  
76-08586P  
76-08992P  
76-02070P  
76-08993P  
76-08994P  
76-01683P  
76-02071P  
76-07888A  
76-07558C  
76-03687A  
76-04552P  
76-03044A  
76-03691A  
76-04427A  
76-02073P  
76-04428A  
76-02074P  
76-01322P  
76-08895A  
76-06589P  
76-06590P  
76-06591P  
76-03047A  
76-01200C  
76-04247A  
76-03183A  
76-04324A  
76-07593C
- ESTIMATION OF CRYSTALLISATION TEMPERATURE OF DIAMOND  
FABRICATION AND THERMAL PROPERTIES OF COMPOSITIONALLY  
FEATURES OF INITIAL STAGES OF THE GaN EPICGROWTH BY  
FIVE- AND SIX-COORDINATE PRECURSORS FOR TITANIUM  
FLUORINATED SILICON NITRIDE FILMS  
FLUORINE-DOPED PLASMA-ENHANCED PHOSPHOSILICATE GLASS  
FORMATION OF SOOT OR DIAMOND ON THE IRON SUBSTRATE IN  
FORM OF BI-XC SEMICONDUCTOR LAYERS BY CHEMICAL VAPOUR  
FUNCTIONAL CERAMIC FILMS AND COATINGS; LINKING  
GRAPHITE RELATIVE OF BC<sub>2</sub>N  
GROWTH AND STRUCTURE OF TiCN<sub>x</sub> COATINGS CHEMICALLY  
GROWTH OF CHEMICAL VAPOUR DEPOSITION DIAMOND ON LARGE  
GROWTH OF DIAMOND THIN FILMS BY MICROWAVE PLASMA  
GROWTH OF HEXAGONAL GALLIUM NITRIDE FILMS ON THE (111)  
GROWTH OF HIGHLY (111)-ORIENTED, HIGHLY COALESCED  
GROWTH OF POLYCRYSTALLINE SILICON FILMS ON GLASS BY  
HETEROEPICTAXIAL OF DIAMOND ON SILICON  
HIGH EFFICIENCY DEPOSITION OF DIAMOND FILM BY HOT  
HIGH GROWTH RATE HOMOEPITAXIAL DIAMOND FILM DEPOSITION  
HIGH TEMPERATURE LIFETIME IN AIR OF SiC(B)/SiC  
HIGH TENSILE NITRIDE LAYER  
HIGH-QUALITY LOW-TEMPERATURE PECVD SILICON DIOXIDE  
HIGH-RESOLUTION X-RAY DIFFRACTION OF GaN GROWN ON  
HOT PLASMA CHEMICAL VAPOUR DEPOSITION OF GaN ON  
HYBRID PLASMA CHEMICAL VAPOUR DEPOSITION OF ALUMINUM  
IMPROVEMENT OF CUTTING PERFORMANCE OF SILICON NITRIDE  
IMPROVEMENT OF DIAMOND ADHESION TO Ta<sub>2</sub>O<sub>5</sub>  
IMPROVEMENT OF OXIDATION RESISTANCE AND EROSION  
IMPROVEMENT OF THE CRYSTALLINITY OF 3C-SiC FILMS BY  
INFLUENCE OF THE DIBORANE FLOW RATE ON THE STRUCTURE  
INFLUENCES OF ELECTROCHEMICAL VAPOUR DEPOSIT  
INFLUENCES OF ELECTROCHEMICAL VAPOUR DEPOSITION  
INORGANIC FIBRES AND MICROFABRICATED PARTS BY LASER  
INTERFACE COATING FOR CERAMIC FIBRES  
LARGE-AREA GROWTH OF InGaN/AlGaN USING IN SITU  
LIQUID SOLUTION OF TiB<sub>4</sub> IN B<sub>2</sub> USED AS A PRECURSOR  
LOW DEFECT DENSITY AMORPHOUS SILICON GERMANIUM ALLOY  
LOW DEFECT DENSITY CHEMICAL VAPOUR DEPOSITION OF SILICON  
LOW PRESSURE GROWTH OF CUBIC BORON NITRIDE FILMS  
LOW-PRESSURE CVD OF GaN FROM GaCl<sub>3</sub> AND NH<sub>3</sub>  
LOW-TEMPERATURE PLASMA-ENHANCED CVD OF SILICON OXIDE  
LOW-TEMPERATURE PREPARATION OF PEROVSKITE  
MATERIALS PROCESSING WITH THERMAL PLASMAS  
MECHANICAL PROPERTIES AND MICROSTRUCTURAL ANALYSIS OF  
METALORGANIC CHEMICAL VAPOUR DEPOSITION OF  
METALORGANIC CHEMICAL VAPOUR DEPOSITION-GROWN AlN ON  
METHOD AND APPARATUS FOR COATING DIELECTRICS  
METHOD AND APPARATUS FOR PREPARING A SILICON OXIDE  
METHOD FOR DEPOSITING A TITANIUM OR TANTALUM NITRIDE  
METHOD FOR FORMING IN-LAY INTERCONNECTS IN A  
METHOD FOR FORMING INSULATING FILM  
METHOD FOR FORMING Si<sub>3</sub>N<sub>4</sub> FILM HAVING LOW LEAKAGE  
METHOD FOR MAKING CONTINUOUS THIN DIAMOND FILM  
METHOD FOR MAKING DUAL GATE INSULATING FILM WITHOUT  
METHOD FOR MAKING A TANTALUM/SiO<sub>2</sub> INTERFERENCE FILTER  
METHOD FOR MANUFACTURING MICROCRYSTALLINE CUBIC BORON  
METHOD FOR PASSIVATING INNER SURFACES OF CHEMICAL  
METHOD FOR PRODUCING A TRANSPARENT CONDUCTIVE ZnO FILM  
METHOD OF ALUMINUM OXIDE LOW PRESSURE CHEMICAL VAPOUR  
METHOD OF DEPOSITING TITANIUM CARBONITRIDE FILMS ON  
METHOD OF FORMING A BORON-DOPED DIAMOND FILM BY  
METHOD OF FORMING A METAL WIRE IN A SEMICONDUCTOR  
METHOD OF FORMING OXIDE FILM  
METHOD OF FORMING A Ta<sub>2</sub>O<sub>5</sub> DIELECTRIC LAYER WITH  
METHOD OF MAKING A TOUGHENED CERAMIC COMPOSITE  
METHOD OF MAKING A WEAR COMPONENT BY PLASMA JET CVD  
METHOD OF MANUFACTURING CORE IMPLANTED SEMICONDUCTOR  
METHOD OF MANUFACTURING CVD DIAMOND COATED CUTTING  
METHOD OF MANUFACTURING DIAMOND-COATED CUTTING TOOL  
METHOD OF SHAPING A POLYCRYSTALLINE DIAMOND BODY  
METHODS OF SYNTHESIZING AND POLISHING A FLAT DIAMOND  
MICROPOROUS SiO<sub>2</sub>/Y<sub>2</sub>O<sub>3</sub> MEMBRANES FOR GAS SEPARATION  
MODEL FOR INDIUM INCORPORATION IN THE GROWTH OF InGaN  
MODIFICATION OF METAL SURFACES  
MODIFIED SILICON OXIDE BARRIER COATINGS PRODUCED BY  
MULTISTEP CHEMICAL VAPOUR DEPOSITION METHOD FOR  
NEW PATHWAYS TO HETEROEPICTAXIAL GaN BY INORGANIC CVD  
NEW ROUTES FOR IMPROVED COATINGS  
NOVEL DIAMOND/CARBON/CARBON COMPOSITES FOR HEAT  
NOVEL PROCESSING APPROACH TO FABRICATE ALUMINUM  
NOVEL SYNTHESIS AND CHARACTERISATION OF SILICON  
NUCLEATION OF DIAMOND FILMS USING AN ELECTRODE  
OPTICAL ABSORPTIVITY OF DIAMOND POWDERS AND  
OPTICAL EMISSION SPECTROSCOPY DURING THE BIAS-ENHANCED  
OPTICAL STUDIES OF MOCVD InGaN ALLOYS  
OXIDE FILMS AND NANO-SIZED POWDERS FABRICATED BY  
PARTICLE-PRECIPITATION-AIDED CHEMICAL VAPOUR  
PECVD METHOD OF DEPOSITING FLUORINE DOPED OXIDE USING  
PE-MOCVD OF DIELECTRIC THIN FILMS: CHALLENGES AND  
PERSISTENT PHOTOCONDUCTIVITY IN p-TYPE GaN EPI LAYERS  
PLASMA CVD METHOD FOR PRODUCING A DIAMOND COATING  
PLASMA ENHANCED CHEMICAL VAPOUR DEPOSITION OF TITANIUM  
POST-GATE LOCOS  
PREPARATION AND CHARACTERISATION OF Y-SYSTEM  
PREPARATION OF ELECTRICAL PROPERTIES OF Si<sub>3</sub>N<sub>4</sub> THIN  
PREPARATION OF HOLLOW CUBIC ZIRCONIA FIBRE BY  
PREPARATION OF IRON OXIDE THIN FILMS BY MOCVD  
PREPARATION OF MICRO-COILED ZC FIBRES BY VAPOUR PHASE  
PREPARATION OF NANOCRYSTALLINE SiC POWDER BY CHEMICAL  
PREPARATION OF YBaCu<sub>3</sub>-XO<sub>2</sub> DELTA THIN FILM BY  
PREPARATION OF ZIRCONIA THIN FILMS BY METALORGANIC  
PROCESS FOR DEPOSITING DIAMOND BY CVD  
PROCESS FOR FABRICATING DUAL-GATE CMOS HAVING IN SITU  
PROCESS FOR FABRICATING TANTALUM NITRIDE DIFFUSION  
PROCESS FOR MANUFACTURING LAYERS OF DIAMOND DOPED WITH  
PROCESS FOR TITANIUM NITRIDE DEPOSITION USING FIVE-  
PROCESS FOR USING MICROWAVE PLASMA CVD  
RARE EARTH MANGANESE FILMS MADE BY METALORGANIC  
REMOTE MICROWAVE PLASMA ENHANCED CHEMICAL VAPOUR  
SELECTIVE AREA DEPOSITION OF DIAMOND FILMS  
SEMICONDUCTOR DEVICE  
SiC FOR SEMICONDUCTOR DEVICES  
SILICON NITRIDE FIBRES SYNTHESISED BY A GAS-PHASE  
SIMULATION OF SiC DEPOSITION IN A FIBRE COATING CVD  
SOME EFFECTS OF BORON DOPING IN a-SiC:H FILMS PREPARED  
SPACE FILLING BY NUCLEATION AND GROWTH IN CHEMICAL  
STRUCTURAL ANALYSES AND PROPERTIES OF Ti<sub>1-x</sub>Al<sub>x</sub>N FILMS  
STRUCTURAL ANALYSIS OF GaN AND GaN/InGaN/GaN DH  
STRUCTURAL AND GAS-SENSING PROPERTIES OF NANOMETRE THIN  
STRUCTURAL AND OPTICAL PROPERTIES OF HOMOEPITAXIAL GaN  
STRUCTURAL AND OPTICAL PROPERTIES OF MOCVD GROWN AlN FILMS  
STUDIES OF MOCVD FOR HIGH T<sub>g</sub> THIN FILMS  
SURFACE-ENGINEERED CERAMICS - AN IMPROVED LOT  
SYNTHESIS OF MULLITE COATINGS BY CHEMICAL VAPOUR  
SYNTHETIC DIAMOND WEAR COMPONENT AND METHOD  
THERMAL DECOMPOSITION OF V<sub>2</sub>N<sub>2</sub>Si<sub>2</sub> IN AN MOCVD REACTOR:  
76-04441A  
76-01211C  
76-04444A  
76-09007P  
76-02080P  
76-07249P  
76-01214A  
76-01214A  
76-04444A  
76-06233  
76-06802A  
76-06431A  
76-01220A  
76-07597C  
76-07005A  
76-03201A  
76-08086A  
76-08168A  
76-06602P  
76-04784C  
76-06605P  
76-08903A  
76-02043C  
76-04454A  
76-08169A  
76-08678A  
76-08679A  
76-04457A  
76-01954A  
76-06443A  
76-08910A  
76-0632 AND MICROFABRICATED PARTS BY LASER  
76-04574P  
76-08182C  
76-09020P  
76-03236A  
76-06326A  
76-04577P  
76-07622C  
76-09027P  
76-06453A  
76-01237P  
76-01237P  
76-06628P  
76-04584P  
76-03032P  
76-07493P  
76-06840P  
76-07495P  
76-09043P  
76-06843P  
76-03732C  
76-02110P  
76-06840P  
76-04600P  
76-06865P  
76-03328P  
76-06667P  
76-06667P  
76-02125P  
76-04613P  
76-07810P  
76-06935P  
76-06935P  
76-09072P  
76-04624P  
76-07207A  
76-07639C  
76-06565P  
76-09077P  
76-02135P  
76-07647C  
76-08295A  
76-03021P  
76-01214A  
76-06040C  
76-01337P  
76-04381A  
76-08195A  
76-0863C  
76-04472C  
76-08195A  
76-02140P  
76-01261A  
76-07606P  
76-05706P  
76-05707P  
76-06716P  
76-01078A  
76-05435A  
76-08040C  
76-05896A  
76-01982A  
76-03749A  
76-08058A  
76-08204A  
76-09095P  
76-07830P  
76-07832P  
76-04646P  
76-06752P  
76-04659P  
76-05719P  
76-01279C  
76-06213A  
76-05608P  
76-00816A  
76-04021C  
76-03771A  
76-03283A  
76-02016A  
76-00139A  
76-07697C  
76-03102A  
76-01200C  
76-07702C  
76-03783A  
76-08957A  
76-03788A  
76-09135P  
76-06537A

- THICKNESS DEPENDENCE OF CRYSTALLINE ORIENTATION IN THIN FILM TECHNIQUES FOR SOLID ELECTROLYTE COMPOSITES  
TIME-DEPENDENT STRUCTURAL MODIFICATIONS IN TiN OXIDE  
TITANIUM DIOXIDE FILM OBTAINED USING THE MOCVD METHOD  
TITANIUM DISULPHIDE THIN FILM PREPARED BY PLASMA-CVD  
TITANIUM NITRIDE AND MULTILAYERS FORMED BY CHEMICAL  
TITANIUM NITRIDE FILM-MOCVD METHOD INCORPORATING USE  
TRANSMISSION ELECTRON MICROSCOPIC INVESTIGATIONS ON  
ULTRASMooth ADHERENT DIAMOND FILM COATED ARTICLE AND
- VAPOUR-GEL PROCESSING AND APPLICATIONS IN OXIDE FILM  
XPS AND THERMOGRAVIMETRIC STUDY OF OXIDISED AlN AND  
ZrO<sub>2</sub> DEPOSITION BY ULTRASONIC SPRAY PYROLYSIS
- CHEMICAL VAPOUR INFILTRATION**  
COMPARATIVE MECHANICAL EVALUATION OF TWO 2.5D C/SIC  
C/VI PROCESSING OF CERAMIC MATRIX COMPOSITES  
DESIGN OF GRADIENT-CVI DERIVED CMC COMPONENTS  
DEVELOPMENT OF A MULTI-STEP FORCED CHEMICAL VAPOUR  
DEVELOPMENT OF Si-Ti-C-O FIBRE REINFORCED SIC  
DEVELOPMENT OF A TWO-STEP, FORCED CHEMICAL VAPOUR  
DIAMOND/CARBON/CARBON COMPOSITE USING LASER INTEGRAL  
DYNAMIC CONVECTION-DRIVEN THERMAL GRADIENT CHEMICAL  
HERMETIC SIC COMPOSITE TUBES  
INFLUENCE OF SURFACE KINETICS IN MODELLING CHEMICAL  
LAMINATED C-SIC MATRIX COMPOSITES PRODUCED BY CVI  
PREPARATION OF NANOCOMPOSITE MATERIALS CONTAINING WS<sub>2</sub>  
PRESSURE-PULSED CHEMICAL VAPOUR INFILTRATION OF SIC TO  
PRESSURE-PULSED CHEMICAL VAPOUR INFILTRATION OF TiN TO  
RAPID DENSIFICATION OF CARBON-CARBON COMPOSITES BY
- CHILE**  
MINSAL LITHIUM CARBONATE - METAMORPHOSIS FOR LITHIUM  
ZrO<sub>2</sub> MODIFIED BASIC REFRACTORY BRICKS
- CHINA**  
APPLICATION AND DEVELOPMENT OF UNSHAPED REFRACTORIES  
APPLICATION OF REFRACTORIES IN CHEMICAL AND  
CERDEC EXPANDS IN CHINA  
CHINA GRAPPLES WITH FOREIGN INVESTMENT  
CHINA STEEL AND REFRACTORIES INDUSTRIES  
CHINA'S CERAMICS INDUSTRY  
CHINA'S REFRACTORIES HEADING FOR THE NEW CENTURY  
CHINESE CERAMIC TILE AND SANITARYWARE INDUSTRY  
CHINESE KAOLIN - CERAMIC BOOM CONTINUES  
CHINESE WALL AND FLOOR TILE AND SANITARYWARE INDUSTRY  
DEVELOPING REFRACTORIES FOR EXPORTING  
DEVELOPMENT AND OUTLOOK OF THE METALLURGICAL INDUSTRY  
DEVELOPMENT OF TECHNOLOGY OF BLAST FURNACE LINING IN  
GUNNING MIX FOR CONVERTER AND ELECTRIC ARC FURNACE IN  
HISTORY OF AND NEW DEVELOPMENTS IN SIC  
LATEST DEVELOPMENTS IN CHINESE KAOLIN PROCESSING  
ON THE PROPERTIES OF MgO-Al<sub>2</sub>O<sub>3</sub> SPINEL CLINKERS  
PRODUCTION AND PROPERTIES OF C-203 RAW MATERIAL FOR  
PRODUCTION SITUATION AND DEVELOPMENT OF MgO-C BRICK IN  
REFRACTORIES DEVELOPMENTS FOR IRON AND STEEL MAKING IN  
REFRACTORIES FOR CONTINUOUS CASTING IN CHINA  
RESEARCH AND DEVELOPMENT OF BAUXITE-BASED REFRACTORIES  
STATE-OF-THE-ART AND PROSPECTS OF THE BASIC REFRACTORIES  
STRONG INNOVATION FOR THE CHINESE CERAMIC INDUSTRY  
ULTRAFINE CERAMIC AND REFRACTORY MINERAL PROCESSING IN  
ULTRAFINE CERAMIC & REFRACTORY MINERAL PROCESSING IN  
WORLDWIDE TRENDS IN THE R & D ACTIVITIES ON ADVANCED
- CHINA CLAY**  
APPLICATIONS OF GRANULAR MECHANICS TO SLIP CASTING  
CHARACTERISATION OF CHINA CLAY WASTE AND ITS
- CHLORIDES**  
COMPARISON OF ICI AND IIR FOR DRY ETCHING OF III  
FOAMED MAGNESITE CEMENT AND ARTICLES MADE THEREWITH  
HEAT CAPACITY MEASUREMENT OF A CADMIUM FLUOROCHLORIDE  
SYNTHESIS AND PROPERTIES OF GaS<sub>2</sub>-Ga<sub>2</sub>S<sub>3</sub>-NaCl<sub>3</sub> AND  
TeO<sub>2</sub>-ZnO-ZnCl<sub>2</sub> GLASSES FOR IR TRANSMISSION
- CHLORINE**  
CHLORINE-BASED PLASMA ETCHING OF GaH  
DIGITAL ETCHING OF GaAs: THE MECHANISM AND THE  
HALOGEN-ACTIVATED CHEMICAL VAPOR DEPOSITION OF DIAMOND  
NEW COMPOSITIONS OF LOW PHONON ENERGY FLUORIDE AND  
NMR STUDY ON GLASS STRUCTURE OF CHLORINE-DOPED AIF<sub>3</sub>  
REDUCTION OF RESIDUAL CHLORIDE IN IRON OXIDES
- CHROMATES**  
HIGH-PERFORMANCE CERAMIC INTERCONNECT FOR SOFC
- CHROMIA**  
ABRASIVE TAPE  
ELECTRICALLY CONDUCTIVE CERAMICS AND THEIR USE IN  
ELECTRICALLY CONDUCTIVE CERAMICS WITH OXIDES OF Al  
SINGLE-LAYER HIGH-TEMPERATURE COATING ON A CERAMIC
- CHROMIUM**  
FORMATION OF LASER ACTIVE COMPOSITE FILMS FROM  
METHOD FOR FORMING CHROMIUM CARBIDE BASED CERAMICS  
OXIDATION OF Cr AND Cr-0.5%Ce IN OXIDISING AND CARBON  
PROCESS FOR PRODUCING CARBIDE PARTICLES DISPERSED IN  
SPECTROSCOPIC STUDIES OF Cr-DOPED SILICA GELS  
TEMPERATURE SENSOR
- CHROMIUM BORIDE**  
CrB<sub>2</sub>-NbB<sub>2</sub> CERAMIC MATERIALS  
CrB<sub>2</sub>-NbB<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub> and CrB<sub>2</sub>-NbB<sub>2</sub>-SiC CERAMIC COMPOSITE
- CHROMIUM CARBIDE**  
HIGH TEMPERATURE CREEP BEHAVIOUR OF C/3C<sub>2</sub> COMPOSITES  
PREPARATION OF POROUS C/3C<sub>2</sub> GRAINS WITH C/203  
TRIBOLOGICAL BEHAVIOURS OF CHROMIUM CARBIDE COATINGS
- CHROMIUM NITRIDE**  
MAGNETIC HEAD HAVING CHROMIUM NITRIDE PROTECTIVE FILM
- CHROMIUM OXIDE**  
CATHODE RAY TUBE  
EFFECT OF C/203 ADDITIVE ON THE ELECTRICAL PROPERTIES  
HIGH TEMPERATURE OXIDATION OF CHROMIUM AND  
MECHANISMS OF REACTION-BONDING C/203 CERAMICS  
METHOD AND APPARATUS FOR FORMING AN OXIDE PASSIVATION  
METHOD OF FORMING OXIDE PASSIVATION FILM HAVING  
PRODUCTION AND PROPERTIES OF C-203 RAW MATERIAL FOR  
TEMPERATURE SENSOR FOR HIGH-TEMPERATURE AND METHOD OF
- CIRCUIT**  
CERAMIC CIRCUIT BOARD HAVING A THERMAL CONDUCTIVITY  
CERAMIC PACKAGE MAIN BODY  
CIRCUIT SUBSTRATE INCLUDING INSULATING LAYER OF  
COMPLEX SUPERCONDUCTING QUANTUM INTERFERENCE DEVICE  
CONDUCTIVE PASTES, CONDUCTIVE MATERIALS, AND  
DIAMOND-LIKE CARBON OPTICAL WAVEGUIDE  
DIGITAL LOGIC OUTPUT BUFFER INTERFACE FOR DIFFERENT  
HIGH-Q MULTILAYER CERAMIC RF TRANSMISSION LINE  
HIGH-TEMPERATURE SUPERCONDUCTING FAULT CURRENT LIMITER  
LEVITATED CRYSTAL RESONATOR  
LOW-TEMPERATURE COFIRE CERAMIC SUBSTRATES FOR POWER  
METHOD OF FORMING A CMOS CIRCUITRY  
MULTILAYER CERAMIC CIRCUIT SUBSTRATE, PROCESS FOR  
SINTERED ALUMINUM NITRIDE AND CIRCUIT SUBSTRATE USING
- 76-03620A  
76-06539C  
76-05466A  
76-08222A  
76-03112A  
76-04680P  
76-09139P  
76-04055A  
76-04686P  
76-04687P  
76-03796C  
76-09027A  
76-01664C  
76-04417C  
76-06392C  
76-04426A  
76-03689C  
76-06396C  
76-05838C  
76-06230P  
76-08148A  
76-03660A  
76-01229A  
76-08911A  
76-08400C  
76-01273A  
76-011986A  
76-06509C  
76-06031A  
76-02990C  
76-03080C  
76-07289A  
76-00673A  
76-09300A  
76-03302A  
76-04868A  
76-07291A  
76-09301A  
76-01451A  
76-03902A  
76-00410A  
76-09307A  
76-05248A  
76-05261A  
76-03302A  
76-01498A  
76-01511C  
76-08407A  
76-06899A  
76-05285A  
76-00511C  
76-05288A  
76-01542C  
76-04932A  
76-01307A  
76-01306A  
76-02390A  
76-03670C  
76-01447A  
76-07547C  
76-06983P  
76-07131C  
76-07245C  
76-07171C  
76-07545C  
76-03174C  
76-04569P  
76-07080C  
76-07083C  
76-04662P  
76-05492P  
76-04954P  
76-05496P  
76-07480P  
76-06170P  
76-06424C  
76-06286P  
76-05428C  
76-09108P  
76-08790A  
76-08636P  
76-04550P  
76-06582P  
76-04783A  
76-01774A  
76-04845A  
76-05736P  
76-01674P  
76-07564C  
76-05397C  
76-06142C  
76-09033P  
76-09062P  
76-08407A  
76-00872P  
76-06350P  
76-06190P  
76-06570P  
76-05771P  
76-06580P  
76-06357P  
76-05540P  
76-06607P  
76-05771P  
76-05700P  
76-05498P  
76-05578P  
76-05509P  
76-06289P
- SQUID DETECTOR WITH FLUX FEEDBACK COIL SIZED AND
- CIRCUITS**  
CMOS BIDIRECTIONAL DIFFERENTIAL LINK  
LOW-TEMPERATURE COFIRE CERAMIC UHF/VHF POWER  
LOW-TEMPERATURE FIRED CERAMIC CIRCUIT SUBSTRATE AND  
METHOD OF MAKING COMBINED METAL OXIDE SEMICONDUCTOR  
METHOD OF MANUFACTURING CERAMIC SUPERCONDUCTOR CIRCUIT  
PROCESS FOR FABRICATING A SUPERCONDUCTING CIRCUIT
- CLADDING**  
COMPANY FOCUS: RED BANK  
CORUNDUM PORCELAIN COMPOSITION, PROCESSES FOR ITS  
IN SITU LASER SURFACE COATING OF TIC METAL-MATRIX  
SYNTHESIS, CHARACTERISATION AND CLAD INTERACTION OF
- CLASSIFICATION**  
FORMATION AND CONTROL OF AGGLOMERATES IN ALUMINA  
FRAGMENT APPROXIMATION IN STRUCTURAL CLASSIFICATION OF  
MULLITE PHASE IN REFRACTORIES: A SIMPLE METHOD FOR ITS  
PRELIMINARY EXPERIMENTAL FINDINGS USING  
STRUCTURAL CLASSIFICATION OF SUPERCONDUCTING CUPRATES
- CLAY**  
CERAMIC PRODUCTS OF GLASS, FLY ASH, AND CLAY AND  
CORUNDUM PORCELAIN COMPOSITION, PROCESSES FOR ITS  
OPACIFYING KAOLIN CLAY PIGMENTS HAVING IMPROVED
- CLAY MINERALS**  
19F NUCLEAR MAGNETIC RESONANCE STUDY OF NATURAL CLAYS  
ANTIMICROBIAL AND ANTIFUNGAL AGENTS DERIVED FROM CLAY  
ATTAPULGITE, ABSORBENTS AND GELLANTS  
BENTONITE, MAJOR MARKER  
CHARACTERISATION AND RHEOLOGICAL STUDY OF A COLOMBIAN  
CHEMICALLY MODIFIED KAOLINITE. GRAFTING OF METHOXY  
CLAY MINERAL COMPOSITIONS  
COMPARISON OF TECHNIQUES FOR DETERMINING THE FRACTAL  
DEHYDRATION REHYDRATION IN MAGNESIUM VERMICULITE  
DEHYDROXYLATION OF THE KAOLINITE CLAY MINERALS USING  
DEPENDENCE OF THE PROPERTIES OF TITANIUM-PILLARED  
EARLY STAGES IN MECHANOCHEMICAL ACTIVATION OF  
ENHANCED FLUORESCENCE OF COUMARIN LASER DYE IN THE  
EXPERIMENTAL TRANSFORMATION OF KAOLINITE TO HALLOYSITE  
GROWTH OF MULLITE WHISKERS ON ALUMINA PARTICLE BY  
HALLOYSITE. FOR HIGH QUALITY CERAMICS  
HECTORITE. RESTRICTED OCCURRENCE - DIVERSE  
IMPROVED MODEL FOR STRUCTURAL TRANSFORMATIONS OF  
EFFECT OF LIME AND DOLOMITE IN KAOLINITE PELLET STRENGTH  
INTERRELATED FEATURES OF STRUCTURE AND STACKING OF  
KAOLINITE-MONTMORILLONITE RESEMBLES BEIDOLITE  
METHYLENE BLUE INDEX FOR WHITEWARE BODY CONTROL  
MIGRATION OF Cu IONS IN Cu MONTMORILLONITE HEATED WITH  
EFFECT OF CRYSTALLINE SIZE OF 2:1 PHYLLOSILICATES  
POTENTIAL-DISTANCE RELATIONSHIPS OF CLAY-WATER SYSTEMS  
PREPARATION AND CHARACTERISATION OF TWO DISTINCT  
REDOX TREATMENT OF AN Fe-Al PILLARED MONTMORILLONITE.  
RETAINING CAPABILITY OF MINERAL SEALING LAYERS AGAINST  
SERPENTINE. THE SPANISH  
SOL CONCENTRATION EFFECT IN N-BUTYLAMMONIUM  
SPECTROCHEMICAL ANALYSIS OF ARCHAEOLOGICAL TERRA-COTTA  
STUDY ON THE HYDROTHERMAL SYNTHESIS OF CLAY MINERAL.
- 76-05800P  
76-07733P  
76-07487P  
76-07486P  
76-07803P  
76-08068P  
76-08069P  
76-04871A  
76-07069C  
76-03714A  
76-08118C  
76-01940A  
76-03541A  
76-02506A  
76-02372A  
76-03069A  
76-04538P  
76-06881P  
76-03028P  
76-01433A  
76-01436A  
76-05968P  
76-05969P  
76-08348A  
76-08350A  
76-06102P  
76-05984A  
76-03970A  
76-05991A  
76-08359A  
76-08368A  
76-03970A  
76-03963A  
76-06012B  
76-06014B  
76-01482A  
76-03970A  
76-03974A  
76-01495A  
76-03005C  
76-01504A  
76-03970A  
76-04391A  
76-01516A  
76-01527A  
76-09282A  
76-06069P  
76-05440A  
76-05447A  
76-01548A  
76-04048A  
76-08428A  
76-08429A  
76-08433A  
76-06100P  
76-04060A  
76-04871A  
76-03729A  
76-00353A  
76-01348C  
76-09297A  
76-05033P  
76-00565A  
76-05967B  
76-03921A  
76-06381C  
76-01498A  
76-01445C  
76-01446C  
76-03830A  
76-04355C  
76-08349A  
76-02330A  
76-06102P  
76-08351A  
76-05981A  
76-05982A  
76-07366A  
76-01181A  
76-08136A  
76-05880C  
76-08359A  
76-08362A  
76-03939P  
76-08146A  
76-06000A  
76-08360A  
76-01463C  
76-02728A  
76-05852A  
76-06012B  
76-00777P  
76-06015A  
76-03968A  
76-02738A  
76-01486C  
76-02742A  
76-01488C  
76-06025A  
76-06026B  
76-06027B  
76-01496C  
76-03980A  
76-06288A  
76-04377C  
76-06466C  
76-00349A  
76-06036B  
76-01513A  
76-04061P  
76-01977A  
76-03970A  
76-08406A  
76-01343P  
76-04013B  
76-09329A







WET GUNNING MACHINES FOR APPLYING TUNDISH COATINGS  
ZIRCONIUM OXIDE AND ZIRCONIUM NITRIDE COATED GUIDE  
ZIRCONIUM OXIDE AND ZIRCONIUM NITRIDE COATED  
ZIRCONIUM OXIDE AND ZIRCONIUM NITRIDE COATED VASCULAR  
ZIRCONIUM OXIDE ZIRCONIUM NITRIDE COATED VALVULAR

## COATINGS

ABRASIBLES IMPROVE GAS TURBINE EFFICIENCY  
ABRASIVE WEAR OF PROTECTIVE COATINGS OF THERMITIC  
ACT PLATINUM-COATED COMPONENTS PROVIDE BENEFITS FOR  
ADDITIONAL DUCTILE COATINGS FOR PROCESSING SIC-FIBRE  
ADHERENT DIAMOND COATING ON SILICON NITRIDE SUBSTRATE  
ALUMINIUM NITRIDE BUFFER LAYER FOR DIAMOND FILM GROWTH  
ANALYSIS OF NANOMETRIC LOAD-DISPLACEMENT LOADING  
ANTIOXIDATIVE PROTECTIVE COATINGS FOR CARBON MATERIALS  
APPLICATIONS OF ORMOCERS  
BEHAVIOUR PREDICTION OF COVERING COATINGS UNDER  
BIOACTIVE Ca<sub>10</sub>(PO<sub>4</sub>)<sub>6</sub>(OH)<sub>2</sub> TIO<sub>2</sub> COMPOSITE COATING  
BIOCOMPATIBLE AND MECHANICAL PROPERTIES OF LOW  
BIOMIMETIC GLASS-CERAMIC COATINGS FOR TITANIUM  
BIOMIMETIC COATING OF BIOACTIVE CERAMIC ON BAMBOO FOR  
BLACK WASH FOR PRODUCING MOULD COATINGS  
BONELIKE COATINGS ON CERAMICS BY REACTIVE MAGNETRON  
BORON CONTAINING MULTILAYER COATINGS AND METHOD OF  
CERAMIC COATING NON DESTRUCTIVE QUALITY CONTROL BY  
CERAMIC COATING SYSTEM OR WATER OXIDATION ENVIRONMENTS  
CERAMIC PROBE CARD AND METHOD FOR REDUCING LEAKAGE  
CERAMIC STRENGTHENING BY GEL DERIVED COATING  
CERAMIC THIN FILM THICKNESS DETERMINATION BY  
CHARACTERISATION AND MODELLISATION OF A BURNER RIG  
CHARACTERISATION OF CERAMICS FOR BIO-MEDICAL USES  
CHARACTERISATION OF Si<sub>3</sub>N<sub>4</sub> COATED WITH  
CHEMICAL INTERACTIONS ON THE BILAYER INTERFACES IN  
CHEMICAL VAPOUR DEPOSITION OF POLYCRYSTALLINE CARBON FROM  
CHEMICAL VAPOUR DEPOSITION OF SiC + C IN ELECTRIC AND  
CHEMICAL VAPOUR DEPOSITION OF SILICON CARBIDE BY  
COATING AND WATER PERMEATION PROPERTIES OF SiO<sub>2</sub> THIN  
COATING EXPERIMENTS ON TITANIUM USING A CO<sub>2</sub> LASER  
COATING MOULD CAVITIES WITH PLURAL LAYERS RELEASE  
COATING OF CERAMIC COMPONENTS FOR METAL INSERTING  
COATINGS STAND ALONE  
COATINGS TO INHIBIT OXIDATION ON RSIC KILN FURNITURE  
COMMERCIALISATION OF ADVANCED CERAMICS IN A GLOBAL  
COMPARATIVE MEASUREMENT OF ELASTIC STRESS IN DIAMOND  
COMPOSITE CERAMIC COATINGS FOR SELF-LUBRICATING  
COMPOSITE MATERIALS AND METHODS FOR MAKING THE SAME  
CONCEPT OF FUNCTIONALLY GRADED MATERIALS FOR ADVANCED  
CONDUCTIVE COATING OF TITANIUM SUBOXIDE  
CONTACT DAMAGE IN PLASMA-SPRAYED ALUMINA-BASED  
CONTROL OF ETCH PIT DENSITY IN LOW-PRESSURE-GROWN  
COOL COATINGS  
CORROSION OF MULLITE BY MOLTEN SALTS  
CRITICAL REVIEW ON OXIDATION PROTECTION FOR  
CRYSTALLINITY AND STRUCTURAL CHANGES IN HA  
CUTTING TOOL WITH COATING OF BORON CARBIDE OR TUNGSTEN  
DECORATIVE COATINGS FOR UTENSILS  
DEFORMATION CAPABILITY AND PROTECTIVE ROLE OF ZIRCONIA  
DENSE OUTER LAYERS FORMED BY PLASMA TREATMENTS OF  
DEPOSITING MULTILAYER OPTICAL COATINGS USING AN  
DEPOSITION OF OXIDE COATINGS ON FIBRE CLOTHS BY  
DETERMINATION OF OPTIMUM CONDITION IN PLASMA SPRAYING  
DEUTERIUM PERMEATION PROPERTIES OF PLASMA-SPRAYED  
DEVELOPMENT OF BIO-CERAMICS FOR CLINICAL USE  
DIAMOND COATING ALLOYS AT TEMPERING  
DIAMOND DEPOSITION ON CUTTING TOOLS  
DIAMOND FILM GROWTH OF CEMENTED TUNGSTEN CARBIDE: A  
DIFFRACTION ANALYSIS OF NONUNIFORM STRESSES IN SURFACE  
DURABILITY IMPROVEMENT OF Ag-BASED LOW EMISSIVITY  
DURABILITY OF SILICA-PROTECTED CERAMICS IN COMBUSTION  
ECR-PLASMA-DEPOSITED OXYGEN-FREE SINK FILMS FOR LOW-  
EFFECT OF DEPOSITION REGIMES ON THE PROPERTIES OF  
EFFECT OF GAS FLOW ON THE CHEMICAL VAPOUR DEPOSITION  
EFFECT OF INTERPHASE CARBON THICKNESS ON ENVIRONMENTAL  
EFFECT OF MECHANICAL DAMAGE ON THERMAL CONDUCTION OF  
EFFECT OF PROCESSING PARAMETERS ON SECOND-ORDER  
EFFECT OF SOLUTION AGE ON THE PROPERTIES OF FILMS IN  
EFFECT OF THE COMPOSITION AND AGE OF SOLUTION ON THE  
EFFECT OF THE COMPOSITION OF FILM-FORMING SOLUTIONS  
EFFECTS OF FEEDSTOCK AND LASER POST-SPRAY TREATMENT ON  
EFFICIENT USE OF PLATINUM-GROUP METALS IN THE GLASS  
ELECTRICALLY ISOLATING SUPPORT FOR ELECTRONIC  
ELECTROPHORETIC DEPOSITION OF AQUEOUS ALUMINA SLIPS  
ELECTROPHORETIC DEPOSITION (EPD): MECHANISMS  
ENGINEERS FOR CERAMIC PRODUCTS  
EXPERIENCES OF DIFFERENT TUNDISH LINING MATERIALS IN  
FABRICATION AND THERMAL PROPERTIES OF COMPOSITIONALLY  
FABRICATION OF GRADED, SPRAY, AND FUSED COATINGS AND  
FABRICATION OF TIO<sub>2</sub> COATING ON SIC WHISKER BY A  
FABRICATION OF TIO<sub>2</sub> PHOTOCATALYTIC TILE AND ITS  
FATIGUE PROPERTIES OF STEEL COATED WITH TiN BY A PVD  
FIBRE COATINGS FOR SIC-FIBRE-REINFORCED BMAS  
FLAME SPRAYED CERAMIC END CAPS  
FLOAT GLASS COATING OF TITANIUM METAL  
FORMATION OF COATING FILM BY MECHANICAL ALLOYING  
FORMATION OF LARGE DIAMOND CRYSTALS IN OXYACETYLENE  
FORMATION OF SiO<sub>2</sub>-BASED COATINGS BY THE SOL-GEL METHOD  
FTIR INVESTIGATION OF RF PLASMA DEPOSITED INDIUM-TIN  
FUNCTIONAL CERAMIC FILMS AND COATINGS: LINKING  
FUNCTIONAL GRADIENT CERAMIC MATERIALS  
GLASSES AND BIOGLASSES: SYNTHESIS AND COATINGS  
GLYCIDOXYPOLYTRIMETHOXY-SILANE MODIFIED COLLOIDAL  
GRAPHIC-ANALYTICAL MODEL FOR PREDICTING THE UNIFORMITY  
HARDNESS OF TITANIUM NITRIDE COATINGS FABRICATED BY  
HIGH GLOSS DURABLE TIO<sub>2</sub> PIGMENT  
HIGH VELOCITY OXYFUEL SPRAYED CERAMIC COATINGS  
HIGH-TEMPERATURE CHEMICAL STABILITY OF PLASMA-SPRAYED  
HISTOLOGICAL AND HISTOMORPHOMETRIC EVALUATION OF  
HYBRID ORGANIC/INORGANIC COATINGS FOR ABRASION  
HYBRID PLASMA CHEMICAL VAPOUR DEPOSITION OF ALUMINIUM  
HYBRID PLASMA CVD OF DIAMOND-LIKE CARBON (DLC) AT LOW  
HYDROXYAPATITE COATINGS WITH A BOND COAT OF BIOMEDICAL  
IMPLICATIONS OF ACT PLATINUM COATING TECHNOLOGY ON THE  
IMPROVEMENT IN FLOWABILITY, OXIDATION RESISTANCE AND  
IMPROVEMENT OF CUTTING PERFORMANCE OF SILICON NITRIDE  
IMPROVEMENT OF OXIDATION RESISTANCE AND EROSION  
IN SITU DEPOSITION OF SILICALITE-1 ON ZrO<sub>2</sub> FIBRES  
INFLUENCE OF CUTTING TOOL SURFACE PRETREATMENTS ON  
INFLUENCE OF THE MICROSTRUCTURE ON THE PHYSICAL  
INFLUENCE OF THE NITROGEN IMPLANTATION ENERGY ON THE  
INFLUENCE OF THE REINFORCEMENT PHASE ON THE CORROSION  
INTERFACIAL REACTIONS IN GLASS-CERAMIC-TO-METAL SEALS  
INVESTIGATION OF THE FORMATION OF RuO<sub>2</sub>-BASED MIXED  
IN-VIVO EVALUATION OF BIO-CERAMICS  
ION INJECTED MOULD FOR PRESSING A MOULDED GLASS  
LASER ABLATION DEPOSITION OF Pd ON AMORPHOUS ALUMINA  
LASER DEPOSITION OF HYDROXYAPATITE COATINGS  
LEACHING OF SODIUM SILICATE-BASED SLURRIES

76-05905A  
76-04694P  
76-06207P  
76-06208P  
76-06209P

76-06915A  
76-00376A  
76-07181B  
76-00077A  
76-09874A  
76-02488A  
76-06824A  
76-06812C  
76-04408P  
76-02231A  
76-06106A  
76-00081A  
76-00082A  
76-04068A  
76-04528P  
76-04069A  
76-08975P  
76-01350C  
76-00151P  
76-01678P  
76-01909C  
76-08257A  
76-00084C  
76-03831C  
76-01733A  
76-02191A  
76-03677A  
76-05828A  
76-06215A  
76-01865A  
76-02489C  
76-08237P  
76-01176C  
76-08132A  
76-05952A  
76-06216A  
76-03844A  
76-01915C  
76-04543P  
76-02492A  
76-07475P  
76-09087A  
76-05080A  
76-05835A  
76-02232A  
76-04726C  
76-03065A  
76-07039P  
76-07399P  
76-02493A  
76-06885A  
76-06598P  
76-06360  
76-05837A  
76-01141C  
76-02494C  
76-04427C  
76-01186A  
76-01821C  
76-04763A  
76-01869A  
76-04798C  
76-03176C  
76-06402A  
76-01200C  
76-06815C  
76-03846A  
76-06408C  
76-05133A  
76-06409A  
76-06245A  
76-01212A  
76-05175A  
76-05088P  
76-05840A  
76-01207A  
76-03239A  
76-00441C  
76-01211C  
76-04444A  
76-01469A  
76-00592C  
76-07001A  
76-07198A  
76-04567P  
76-03099A  
76-01212A  
76-03705A  
76-04446A  
76-06426A  
76-04448A  
76-06326A  
76-02649A  
76-06430C  
76-07004A  
76-04452A  
76-06059P  
76-06058C  
76-04121A  
76-02234A  
76-06436C  
76-08169A  
76-06170A  
76-00103A  
76-02650A  
76-00454A  
76-08678A  
76-04733A  
76-01483A  
76-01227C  
76-02218C  
76-00105C  
76-07039A  
76-00107C  
76-00706A  
76-03851C  
76-05915P  
76-01224C  
76-01960A  
76-04464A

LOW FRICTION FLUTE TUNGSTEN CARBON MICRODRILL  
MAGNESIUM-DOPED BETA-ALUMINIUM TITANATE THIN FILM  
MAKING A BRAKE SHOE  
MEASUREMENT OF POROSITY IN CERAMIC COATINGS BY  
MECHANICAL CHARACTERISATION OF GLASS-CERAMIC LAYER ON  
METHOD FOR PRODUCING METAL AND CERAMIC SINTERED BODIES  
METHOD OF COATING MEDICAL DEVICES AND DEVICE COATINGS  
METHODS FOR EVALUATION OF WATER-PROOFNESS QUALITY AND  
MICRO-MECHANICAL PROPERTIES OF COMMERCIAL TIN COATINGS  
MODELLING AND EXPERIMENTAL STUDIES OF SIMULTANEOUS  
MULTILAYER ANTISTATIC/ANTIREFLECTIVE COATING FOR  
MULTILAYER COATED HARD CUTTING TOOL  
MULTI-LAYERED COATED CUTTING TOOL  
NANOSCALE COATING OF SILICON AND MANGANESE ON  
NEW DESIGN OF TUNGSTEN CARBIDE TOOLS WITH DIAMOND  
NEW GENERATION PVD "PLATT" COATINGS FOR CUTTING  
NEW ROUTES FOR IMPROVED COATINGS  
NIAI DIFFUSION COATINGS ON INCONEL 738 USING A  
(NZP), Na<sub>2</sub>ZrP<sub>3</sub>O<sub>12</sub>-TYPE MATERIALS FOR PROTECTION OF  
OPTICAL DEVICE HAVING LOW VISUAL LIGHT TRANSMISSION  
OPTIMISATION OF THE FUGITIVE COATING THICKNESS IN  
OPTIMUM DESIGN OF COATINGS ON STEEL SUBSTRATE  
ORIENTED BARIUM TITANATE THICK FILMS BY REACTIVE  
ORIENTED GROWTH OF TIN OXIDE THIN FILMS ON GLASS  
OXIDE FILMS AND NANO-SIZED POWDERS FABRICATED BY  
PACKAGING 2000: A LOOK AT THE FUTURE OF GLASS  
PLASMA PACKAGES METAL-PACKAGES MANUFACTURE OF MATERIALS  
PLASMA ENHANCED CHEMICAL VAPOUR DEPOSITION OF  
PLASMA SPRAY: STUDY OF THE COATING GENERATION  
PLASMA SPRAYED COATINGS VERSUS HIGH VELOCITY OXY FUEL  
PLASMA SPRAYING OF ZIRCONIA-REINFORCED HYDROXYAPATITE  
PLASMA-SPRAYED CERAMIC COATINGS FOR SIAMER CERAMICS  
POLY-LAYERS COATING ON METAL IMPLANTS  
POLYMER DERIVED ANTIOXIDATION COATINGS ON  
POLYMER-DERIVED CERAMIC COATINGS ON C-SiC COMPOSITES  
PREPARATION OF CERAMIC COATINGS ON HYDROXYAPATITE  
PREPARATION AND CHARACTERISATION OF PHENOL RESIN  
PREPARATION AND MECHANICAL PROPERTIES OF SIC WHISKER  
PREPARATION AND STRUCTURE OF Ba(Mg<sub>1/3</sub>Ta<sub>2/3</sub>)O<sub>3</sub> THIN  
PREPARATION OF ALUMINA-SILICA SOL-GEL COMPOSITIONS  
PREPARATION OF CERAMIC COATINGS ON METAL  
PREPARATION OF ZrO<sub>2</sub> FILMS WITH PREFERENTIAL ORIENTATION  
PREPARING VITREOUS COATINGS ON METALS BY THE SOL-GEL  
PRESENT AND FUTURE DIRECTIONS IN SOL-GEL SCIENCE AND  
PRESENTATION OF THE FIRST ITALIAN CAPS AND PRELIMINARY  
PROCESS FOR THE PREPARATION OF CERAMIC COATINGS  
PROCESS FOR THE PREPARATION OF NITRIDE COATINGS  
PROTECTING LAYERS FOR THE BIPOLAR PLATES OF PLANAR  
PROTECTIVE COATINGS OF NANOPHASE DIAMOND DEPOSITED  
REACTION BONDED CERAMIC COATINGS  
REACTIVE COATING OF COLOMITE ON ALUMINA SUBSTRATES  
REACTIVE COATING OF ZIRCON ON MULLITE AND  
REDUCTION OF THE CHROMIUM VAPORISATION FROM THE  
RELATIONSHIP BETWEEN MICROSTRUCTURE AND YOUNG'S  
REMOTE MICROWAVE PLASMA ENHANCED CHEMICAL VAPOUR  
REVIEW OF ZIRCONIA-SOL-GEL SYSTEMS FOR PRODUCTION OF  
RF MAGNETRON SPUTTERED AMORPHOUS OXIDE COATINGS ON  
ROLE OF AMORPHOUS PHASE IN NUCLEATING BONE-LIKE  
ROLE OF TITANIUM IN TIO<sub>2</sub>-SOL-GEL-S: AN X-RAY  
SELECTION AND OPTIMISATION OF THERMALLY SPRAYED  
SHS POWDERS FOR THERMAL SPRAY APPLICATIONS  
SIMPLE METHOD FOR THE PREPARATION OF PLASMA-SPRAYABLE  
SINTERING AND MICROSTRUCTURE OF Al<sub>2</sub>O<sub>3</sub> WITH A COATING  
SOL-2-CeO<sub>2</sub> COATINGS OF GLASS SUBSTRATE BY SOL-GEL  
SOL-GEL COATINGS OVERCOME DISADVANTAGES OF  
SOL-GEL ELECTROCHROMIC COATINGS  
SOL-GEL COATING OF POLYMER/CLAY ACID MODIFIED  
SOL-GEL TECHNOLOGY AND THE INVESTIGATION OF THE  
SOL-GEL ZIRCONIA COATINGS AIMED AT DUST SUPPRESSION IN  
SOL-GEL-COATED PRODUCTS IN AUSTRALIA  
STABILISING FRICTION LEVELS IN BRAKES  
STEADY-STATE GROWTH OF SiC SCALERS ON CERIA-COATED  
STRESS ANALYSIS OF ELASTIC-PLASTIC CONTACT DAMAGE IN  
STRUCTURAL AND PHASE TRANSFORMATIONS AND PROPERTIES OF  
STRUCTURAL CHANGE IN PLASMA-SPRAYED ALUMINA COATINGS  
STRUCTURAL STUDIES OF TiN/Zn MULTILAYER COATING  
THE PROCESSING PARAMETERS INVOLVED IN THE  
SUPER-WATER-REPELLENT Al<sub>2</sub>O<sub>3</sub> COATING FILMS WITH HIGH  
SURFACE INDUCED MINERALISATION OF BIO-CERAMIC COATINGS  
SURFACE-ENGINEERED CERAMICS - AN IMPROVED LOT  
SYNTHESIS AND DILATOMETRIC INVESTIGATION OF  
SYNTHESIS OF MULLITE COATINGS BY CHEMICAL VAPOUR  
TECHNOLOGICAL COATINGS FOR PROTECTING HEATED TITANIUM  
THERMAL DECOLORATION KINETICS OF SPIROOXAZINES IN  
THERMAL DECOMPOSITION OF  
THERMAL DECOMPOSITION OF VINEZIN IN AN MOCVD REACTOR:  
THERMAL FATIGUE RESISTANCE OF PROTECTIVE COATINGS FOR  
THERMAL SPRAY OF CERAMIC MATERIALS  
THERMAL STABILITY AND DECOMPOSITION KINETICS OF  
THERMAL STABILITY OF HEXAALUMINATE FILM COATED ON SIC  
THERMAL STRESSES IN GLAZED SUBSTRATES  
THERMO-MECHANICAL CHARACTERISATION OF SAC VACUUM PLASMA  
THIN HYDROXYAPATITE LAYERS FORMED ON POROUS TITANIUM  
TIN OXIDE BASED CONDUCTIVE POWDERS AND COATINGS  
TIO<sub>2</sub> COATING PHOTOCATALYSTS WITH NANOSTRUCTURE AND  
TITANIUM NITRIDE CARBON COATINGS ON GRAPHITE FIBRES  
TUNGSTEN CARBIDE COATINGS  
TRANSMISSION ELECTRON MICROSCOPIC INVESTIGATIONS ON  
TRIBOLOGICAL BEHAVIOURS OF CHROMIUM CARBIDE COATINGS  
TRIBOLOGICAL INVESTIGATIONS AND STRUCTURAL  
ULTRAFINE PARTICLE COATING ON THE SURFACE OF CERAMIC  
USE OF AN ORGANOSILANE COUPLING AGENT IN COLLOIDAL  
USE OF HERTZIAN CONTACT IN DETERMINING COATING  
VACUUM LOW-E COATINGS SAVE ENERGY  
ZIRCONIA SOL-GEL COATINGS DEPOSITED ON 304 AND 316L  
ZIRCONIUM GLAZES WITH REDUCED CONTENT OF BS03  
ZIRCONIUM OXIDE AND ZIRCONIUM CARBIDE COATED CATHETERS  
ZrO<sub>2</sub> DEPOSITION BY ULTRASONIC SPRAY PYROLYSIS

76-06285P  
76-02098P  
76-07044P  
76-04375A  
76-02610C  
76-05484A  
76-02505A  
76-02506A  
76-01240A  
76-03732C  
76-04594P  
76-02112P  
76-05932A  
76-06854A  
76-00119C  
76-06829P  
76-04631P  
76-07046P  
76-03479A  
76-05064A  
76-02286A  
76-08295A  
76-00123A  
76-08548A  
76-08631P  
76-05479P  
76-00126C  
76-00948A  
76-04471A  
76-04472C  
76-02286A  
76-01264C  
76-01266C  
76-01267A  
76-01268A  
76-01269A  
76-07021A  
76-01770A  
76-02510C  
76-09204A  
76-01978A  
76-05479P  
76-01637A  
76-04820A  
76-03421A  
76-04837P  
76-05840A  
76-01985A  
76-05070  
76-03751C  
76-01272C  
76-03765A  
76-04656P  
76-05891C  
76-05071A  
76-02238C  
76-08512A  
76-08573A  
76-05440C  
76-09265A  
76-01279C  
76-04203A  
76-04349A  
76-06577A  
76-00293A  
76-05442C  
76-03820A  
76-06156A  
76-08581A  
76-05894A  
76-03775A  
76-03438C  
76-02014C  
76-04502C  
76-02015A  
76-03437C  
76-09294P  
76-05075A  
76-04835A  
76-08587A  
76-03782A  
76-04399A  
76-03748P  
76-07243A  
76-02519C  
76-08957A  
76-07028A  
76-07029A  
76-01892A  
76-04054A  
76-06537A  
76-05075A  
76-01305C  
76-04185A  
76-08855A  
76-00645C  
76-02307A  
76-06179A  
76-01902P  
76-04223P  
76-01680A  
76-09205A  
76-04399A  
76-04055A  
76-04845A  
76-01789C  
76-01310A  
76-03748P  
76-08305A  
76-07175B  
76-08820A  
76-05324A  
76-06313P  
76-01684C

## COBALT

ACICULAR MAGNETIC IRON OXIDE PARTICLES AND PROCESS FOR  
CARBOTHERMIC REACTION PROCESS FOR MAKING NANOPHASE  
CERAMIC DIE FOR CUTTING AND SHAPING LEAD FRAMES AND  
C-C INTERFACE REACTION  
DIFFUSION CONSTANTS AND SOLUBILITY VALUES OF Co<sub>2</sub> AND  
GROUP IVB BASED MATERIALS  
GROUP IVB BORIDE BASED ARTICLES, ARTICLES, CUTTING  
HOT PRESSING OF YBCO-TYPE SUPERCONDUCTORS  
HOT PRESSING OF NANOPHASE HEAT EXCHANGER FILMS  
POSITION CHARACTERISATION OF DEFECTS FORMED DURING

76-08013P  
76-08976P  
76-05499P  
76-03167A  
76-05368C  
76-02397P  
76-06284P  
76-03545A  
76-06313P  
76-03272A

PROCESS FOR PRODUCING CO-COATED ACICULAR MAGNETITE  
SYNTHESIS OF TITANATES MTIO<sub>3</sub> (M-Mn,Co,Ni) BY THE  
TITANIUM CARBONITRIDE COATED STRATIFIED SUBSTRATE AND  
**COBALT IRON OXIDE**  
COMPARISON OF THE PRODUCTION PARAMETERS OF COBALT  
**COBALT OXIDE**  
APPLICATION OF THE SIMS METHOD IN STUDIES OF Cr  
CATHODES IN MOLTEN CARBONATE FUEL CELLS: MATHEMATICAL  
COMPOSITION FOR COLOURED GLASS INTENDED FOR THE  
DIELECTRIC STABLE AT HIGH TEMPERATURE  
EFFECTS OF OXIDANT GAS COMPOSITION ON THE POLARISATION  
ELECTRICAL PROPERTIES OF UNDOPEO CoO - A DEBYE-HUCKEL  
FABRICATION MECHANISMS FOR CERAMIC POWDERS  
FUNCTIONING OF THE NiO/LiCoO<sub>2</sub>-DOUBLE-LAYER CATHODES OF  
X-RAY ABSORPTION NEAR EDGE STRUCTURES IN COBALT OXIDES  
**COBALTITES**  
PREPARATION AND CHARACTERISATION OF PEROVSKITE-TYPE  
**COGENERATION**  
DEVELOPMENT OF 300 KW CERAMIC GAS TURBINE "CGT 302"  
USE OF COMBINED HEAT AND POWER PLANTS IN THE BRICK AND  
**COKE OVENS**  
ABRASIVE WEAR OF PROTECTIVE COATINGS OF THERMITIC  
INVESTIGATION OF THE EFFICIENT CHECKER BRICK FOR  
STUDY ON MINERALOGICAL AND PHYSICAL CHANGES IN USED  
**COLLOID CHEMISTRY**  
METEOROCCULATION IN BINARY COLLOIDAL SUSPENSIONS:  
INTERPARTICLE POTENTIAL AND SEDIMENTATION BEHAVIOUR OF  
MEASURING FORCES BETWEEN ALPHA-AI<sub>2</sub>O<sub>3</sub> SURFACES USING  
POROUS SOL-GEL CERAMICS  
TECHNOLOGY AND SCIENCE FOR DISPERSION CONTROL OF FINE  
**COLLOIDAL**  
CHARACTERISATION OF WATER BASED TAPE CASTING SLURRIES  
TIME-DEPENDENT PROPERTIES OF CERAMIC SUSPENSIONS  
**COLLOIDAL PROCESSING**  
ALUMINA-MULLITE-ZIRCONIA COMPOSITES. PT.1. COLLOIDAL  
COLLOIDAL PROCESSING  
COLLOIDAL PROCESSING AND FRACTURE STRENGTH OF ALUMINA  
COLLOIDAL PROCESSING OF A MULLITE MATRIX MATERIAL  
COLLOIDAL PROCESSING OF A VERY FINE BaTiO<sub>3</sub> POWDER -  
COMPARISON OF THE COMPRESSIVE YIELD RESPONSE OF  
DIRECT COAGULATION CASTING - A NEW GREEN SHAPE  
DISCRETE ELEMENT MODELLING OF COLLOIDAL POWDER  
DISPERSION AND DISPERSANTS FOR CERAMIC POWDERS  
DISPERSION IN AQUEOUS MEDIUM OF SILICON CARBIDE  
EFFECT OF PARTICLE INTERACTIONS ON THE COLLOIDAL  
EFFECTS OF ADDITION OF POLYACRYLIC AMMONIUM ON  
ENGINEERING OF PARTICLE INTERACTIONS IN WET PROCESSING  
GELCASTING: FROM LABORATORY DEVELOPMENT TOWARD  
GRANULAR MODELLING FOR COMPUTER AIDED DESIGN OF  
HAFNIA COLLOIDAL SOLUTION FROM HYDROTHERMAL SYNTHESIS  
INTERPARTICLE POTENTIAL AND SEDIMENTATION BEHAVIOUR OF  
MANUFACTURING OF CERAMIC MATRIX COMPOSITES WITH WOVEN  
MECHANISMS OF CONSTANT RATE FILTER PRESSING OF HIGHLY  
MICROSTRUCTURE DEVELOPMENT IN  
NEARLY MONODISPERSED SINGLE CRYSTAL PARTICLES OF  
ORGANIC ADDITIVES AND CERAMIC PROCESSING, 2ND EDITION:  
PREPARATION AND SIZE CONTROL OF CUBE-SHAPED HYDROUS  
PREPARATION OF MONODISPERSED COLLOIDAL PARTICLES OF  
PROCESS OF MANUFACTURING VITREOUS SILICA PRODUCT  
RELIABILITY OF ALUMINA CERAMICS. PT.2. EFFECT OF  
RHEOLOGY OF CONCENTRATED AQUEOUS ALUMINA SUSPENSIONS  
SLURRY PREPARATION FOR SPRAY-DRYING PROCESS  
SOL-GEL SYNTHESIS OF COLLOIDAL SILICA USING  
TAPE CASTING USING UV CURABLE BINDERS  
TECHNOLOGY AND SCIENCE FOR DISPERSION CONTROL OF FINE  
THEORETICAL ASPECTS OF COLLOIDAL PROCESSING  
**COLLOIDAL PROPERTIES**  
AI<sub>2</sub>O<sub>3</sub>-ZrSiO<sub>4</sub> SUSPENSIONS FOR SLIP CASTING STABILISED  
CHARACTERISATION AND MODELLING OF THIXOTROPIC SYSTEMS  
CHARACTERISATION AND RHEOLOGICAL STUDY OF A COLOMBIAN  
CHARACTERISATION OF CERAMIC MATERIALS USING  
CHARACTERISATION ON SUSPENSION OF FINE PARTICLES IN  
COLLOIDAL PROCESSING OF A VERY FINE BaTiO<sub>3</sub> POWDER -  
COMPARISON OF THE COMPRESSIVE YIELD RESPONSE OF  
CONCENTRATED KAOLINITE SUSPENSIONS - POLYMER  
CONSOLIDATION OF COAGULATED SLURRIES: CORRELATION  
DETERMINATION OF ZETA POTENTIALS BY PARTICLE  
DISCRETE ELEMENT MODELLING OF COLLOIDAL POWDER  
DISPERSION OF SUSPENSION IN DOCTOR BLADE PROCESS  
EFFECT OF PARTICLE SIZE AND MORPHOLOGY OF MULLITE  
EFFECT OF TEMPERATURE ON CHARACTERISTICS OF ALUMINA  
EFFECT OF ZWITTERIONIC SURFACTANTS ON INTERPARTICLE  
EFFECTS OF PARTICLE SIZE, DENSITY AND SURFACE  
ELECTROACOUSTIC AND RHEOLOGICAL PROPERTIES OF AQUEOUS  
ELECTROPHORETIC DEPOSITION OF AQUEOUS ALUMINA SLIPS  
ENGINEERING OF PARTICLE INTERACTIONS IN WET PROCESSING  
FORCES ACTING BETWEEN CERAMIC SURFACES  
GELCASTING: FROM LABORATORY DEVELOPMENT TOWARD  
GRANULAR MODELLING FOR COMPUTER AIDED DESIGN OF  
GREEN DENSITY VARIATIONS IN RELATION TO COLLOIDAL  
HETEROOCCULATION IN BINARY COLLOIDAL SUSPENSIONS:  
HYGROSCOPICITY CONTROL IN CLAYS BY AN ETHYL  
INFLUENCE OF SLIP PREPARATION PROCEDURES ON THE  
INFLUENCE OF SOLID TYPE AND CONTENT ON THE RHEOLOGICAL  
INFLUENCES OF PARTICLE SIZE DISTRIBUTIONS ON  
INTERACTIONS OF DISPERSANTS AND BINDERS WITH  
INTERPARTICLE POTENTIAL AND SEDIMENTATION BEHAVIOUR OF  
MEASURING FORCES BETWEEN ALPHA-AI<sub>2</sub>O<sub>3</sub> SURFACES USING  
MECHANISM OF PLASTICITY IN CLAY-WATER SYSTEMS  
METHOD OF INCREASING MIXING IN DISPENSABLE DISPERSION  
OPTIMISATION OF CERAMIC SLURRIES BY ESA MEASUREMENT  
PARTICLE DISPERSION IN SLIP CASTING PROCESS  
REGULATING DENSITY GRADIENTS IN SLIP CONSOLIDATION: A  
RHEOLOGICAL PROPERTIES OF CONCENTRATED, NONAQUEOUS  
RHEOLOGY OF EXTRUDABLE ALUMINA PASTE  
RHEOLOGY OF WATER-BASED ZIRCONIA SLIPS  
SOL CONCENTRATION EFFECT IN n-BUTYLAMMONIUM  
STABILISATION OF AQUEOUS SUSPENSIONS OF ZIRCONIA  
TIME-DEPENDENT PROPERTIES OF CERAMIC SUSPENSIONS  
YIELD STRESS OF ALUMINA-ZIRCONIA SUSPENSIONS  
**COLLOIDS**  
GLYCIDIOXYPROPYLTRIMETHOXYSLANE MODIFIED COLLOIDAL  
METHOD FOR STABILIZING CERAMIC SUSPENSIONS  
METHOD OF GENERATING AN AQUEOUS SUSPENSION OF  
PROCESS FOR PREPARING A WATER-REPELLENT SiO<sub>2</sub> SOL  
USE OF AN ORGANOSILANE COUPLING AGENT IN COLLOIDAL  
**COLOMBIA**  
COLOMBIAN CERAMIC  
PREDICTIVE PROCESS CONTROL IMPROVES SANITARYWARE  
**COLOR**  
DETECTION OF CRYPTOSPORIDIUM PARVUM IN ANTIBODY-DOPEO  
**COLOR**  
ADVANCED SOFTWARE DEVELOPMENT TO DETERMINE GLASS

76-08022P  
76-06533C  
76-06940P  
76-04419C  
76-08254A  
76-08803A  
76-05341C  
76-02638P  
76-07478P  
76-05379C  
76-04103A  
76-04892A  
76-05392C  
76-06184A  
76-05434A  
76-01142A  
76-09352A  
76-00376A  
76-02891A  
76-02948C  
76-04327A  
76-08776A  
76-06303C  
76-08393A  
76-08795A  
76-01170C  
76-01858C  
76-04407A  
76-01816C  
76-01584A  
76-03394A  
76-08761A  
76-04321A  
76-01190C  
76-01926C  
76-08768A  
76-01928C  
76-06298C  
76-01831A  
76-06301C  
76-03710A  
76-01218C  
76-04117A  
76-08776A  
76-06455A  
76-08777A  
76-08768A  
76-01634C  
76-08193B  
76-01517A  
76-08562A  
76-02165P  
76-08575A  
76-01281C  
76-08214A  
76-03710A  
76-08218A  
76-08795A  
76-03792A  
76-05818C  
76-06294C  
76-08348A  
76-01814C  
76-08760A  
76-08761A  
76-04321A  
76-03394A  
76-06295C  
76-08767C  
76-01926C  
76-08145A  
76-06322C  
76-01829C  
76-08367A  
76-01832C  
76-06299A  
76-05844A  
76-06301C  
76-08772C  
76-03710A  
76-01218C  
76-01836C  
76-04327A  
76-03968A  
76-06329C  
76-04330A  
76-04373C  
76-01837C  
76-08776A  
76-06303C  
76-04377C  
76-02117P  
76-06306C  
76-08194A  
76-03764C  
76-04396A  
76-06335C  
76-06336C  
76-01540A  
76-06171C  
76-01858C  
76-04355A  
76-06430C  
76-06658P  
76-09063P  
76-09107P  
76-06541C  
76-04870A  
76-07388A  
76-06110C  
76-05164A

ARTIFICIAL TOOTH BLANK MADE IN SERIES PRODUCTION  
BLUE HIGH SILICA GLASS  
BRONZE GLASS COMPOSITION  
BRONZE-TINTED OR GREY-TINTED SODA LIME SILICATE GLASS  
CERAMIC COLOUR COMPOSITION AND METHOD FOR PRODUCING A  
CERAMIC DECORATION USING THE FOUR-COLOUR PROCESS  
CLEAN COLOUR SHADE, YELLOW-TINGED RED IRON OXIDE  
COLOURED BOROSILICATE GLASS  
COLOURED CERAMIC COMPOSITION AND METHOD FOR PRODUCING  
COMPOSITION FOR COLOURED GLASS INTENDED FOR THE  
DEPENDENCE OF THE COLOUR OF PORCELAIN AND BUILDING  
DESIGNING WITH COLOURED CONCRETE MASONRY  
EFFECT OF THE COMPOSITION OF FILM-FORMING SOLUTIONS  
ENGORGES FOR CERAMIC PRODUCTS  
FABRICATION AND CHARACTERISTICS OF BIO-CERAMICS FOR  
GLASS PRODUCTION METHOD USING LUMENITE  
GROWTH OF BULK AND GAN SINGLE CRYSTALS BY  
INFLUENCE OF THE KILN ATMOSPHERE ON THE FIRED COLOUR  
METHOD AND APPARATUS FOR CONDITIONING AND HOMOGENIZING  
METHOD FOR COLOUR ADJUSTMENT IN COLOURED OPAQUE  
METHOD FOR DETECTING A DEFECT IN A GLASS-CERAMIC FOR  
METHOD OF PRODUCING A COATED GLASS SUBSTRATE  
MODERN METHODS OF GLAZE CHARACTERISATION  
PROCESS AND AGENT FOR THE PRODUCTION OF PURPLE  
PROCESS AND APPARATUS FOR COLOURING GLASS  
QUALITY REVOLUTION REQUIRES NEW TECHNOLOGY  
REDUCTION AND REOXIDATION COLOURS OF HEAVY CLAY  
SELECTING BRICK COATINGS  
TABLETOPS SIZZLE WITH COLOUR  
THERMALLY SPLIT ZIRCONIUM SILICATE, METHOD OF ITS  
ULTRAVIOLET ABSORBING GREEN TINTED GLASS  
ULTRAVIOLET RAY ABSORBENT COLOURED GLASS  
WHICH RHEOLOGICAL PARAMETERS CONTROL THE ISOCHROM  
YELLOW/ORANGE PIGMENTS COMPRISING ZIRCONIUM OXIDE AND  
**COLOURANTS**  
CLEAR GREY SODA-LIME GLASS  
CORROSION MECHANISM IN SILICATE GELS AND GEL-GLASSES  
DARK GREY SODA-LIME GLASS  
FAST PHOTOMETRIC DETERMINATION OF IRON IMPURITY IN RED  
FIRING OF DECORATIONS ON WHITEWARES  
ORGANIC ADDITIVES AND CERAMIC PROCESSING, 2ND EDITION:  
QUANTITATIVE ANALYSIS OF COLOURED CONCRETE TILES  
VERY DARK GREY SODA-LIME GLASS  
WATER-BASED CERAMIC MARKING INK FOR MARKING METAL  
**COLOURS**  
CERAMIC COLOUR COMPOSITION AND PROCESS FOR PRODUCING A  
CERAMIC PIGMENTS BASED ON CALCIUM-MAGNESIUM SILICATES  
CERAMIC PIGMENTS IN CHINA  
CHARACTERISATION AND UTILISATION OF WOOD ASH IN THE  
COLOURS, PIGMENTS AND DECORATION  
COOKSON MATTHEY EXTENDS COLOUR PALETTE  
ENVIRONMENTALLY BENEFICIAL DECORATION FOR FAST FIRING  
FAST PHOTOMETRIC DETERMINATION OF IRON IMPURITY IN RED  
NEUTRAL LOW TRANSMITTANCE GLASS  
PREPARING PIGMENTS BY PRECIPITATION  
RAW MATERIALS FOR PRODUCING COLOR CERAMIC PRODUCTS  
**COMBUSTION**  
3D MODELLING OF 100% OXYGEN COMBUSTION IN GLASSMAKING  
COMBUSTION ACCELERATION PROCESSES FOR THE  
COMBUSTION HEAD, IN PARTICULAR FOR GAS BURNERS  
COMBUSTION MEASUREMENTS IN AN INDUSTRIAL GLASS-MELTING  
FURNACE CONVERSION TO OXY-GAS COMBUSTION AT PHILIPS  
GLASS MELTING METHOD WITH REDUCED VOLATILIZATION OF  
METHOD FOR PRODUCTION OF POWDERS  
NEW COMBUSTOR BOOSTS OUTPUT  
OPTICAL SENSING OF COMBUSTION DYNAMICS  
OXYCOMBUSTION TO REDUCE NOX EMISSIONS OF INDUSTRIAL  
PERFORMANCE OF SUB-SCALE CERAMIC-METAL HYBRID HEAT  
EXCHANGERS  
POTENTIAL FOR UPGRADING VERTICAL SHAFT LIME KILNS  
SIMULTANEOUS SYNTHESIS AND DENSIFICATION OF MoSi<sub>2</sub> BY  
STRENGTH AND CORROSION BEHAVIOUR OF A SIC PARTICULATE  
SUBSTRATE CONFIGURATION FOR CATALYTIC COMBUSTION  
X-RAY DIFFRACTION AND 27AI MAGIC ANGLE SPINNING  
**COMBUSTION SYNTHESIS**  
ALUMINIUM NITRIDE, ALUMINIUM NITRIDE CONTAINING SOLID  
ATMOSPHERE EFFECTS ON COMBUSTION SYNTHESIS OF SIC AND  
CERAMIC-METAL COMPOSITES FABRICATED BY SHS/OP METHOD  
CHARACTERISATION OF SHS MoSi<sub>2</sub> and MoSi<sub>2</sub>/SiC/20w  
THERMAL SYNTHESIS OF BARIUM ZIRCONATE TITANATE POWDER  
COMBUSTION CO-SYNTHESIS OF Si<sub>3</sub>N<sub>4</sub>-BASED IN SITU  
COMBUSTION SYNTHESIS AND PROPERTIES OF  
COMBUSTION SYNTHESIS AND STRUCTURE FORMATION IN A  
COMBUSTION SYNTHESIS OF PEROVSKITE LaCoO<sub>3</sub> POWDERS  
CONSOLIDATION OF TiB<sub>2</sub> POWDERS PRODUCED BY PLASMA  
COUNTERFLOW DIFFUSION FLAME SYNTHESIS OF CERAMIC OXIDE  
DYNAMIC CONSOLIDATION OF COMBUSTION-SYNTHESISED  
EFFECT OF NICKEL ADDITION ON THE COMBUSTION REACTION  
ELECTRIC FIELD-ACTIVATED COMBUSTION SYNTHESIS OF  
FABRICATION OF TIC REINFORCED METAL MATRIX COMPOSITES  
GAS-PHASE COMBUSTION SYNTHESIS OF TITANIUM BORIDE  
HISTORY OF AND NEW DEVELOPMENTS IN SHS  
HYDRATION BEHAVIOUR OF CALCIUM ALUMINATES PRODUCED BY  
INVESTIGATION OF SIALON POWDERS AND SINTERED MATERIALS  
KINETIC ANALYSIS OF COMBUSTION SYNTHESIS OF LEAD  
LOW-TEMPERATURE CHEMICAL SYNTHESIS OF LANTHANUM  
MICROGRAVITATIONAL COMBUSTION SYNTHESIS  
MICROSTRUCTURAL EVOLUTION IN THE COMBUSTION SYNTHESIS  
MICROSTRUCTURE OF AI<sub>2</sub>O<sub>3</sub>-ZrO<sub>2</sub> NANOCOMPOSITES PREPARED  
MODELLING AND EXPERIMENTAL STUDIES OF SIMULTANEOUS  
PREPARATION AND MICROANALYTICAL SPECTROSCOPIC  
PREPARATION OF Fe-TiC COMPOSITES BY THE  
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- SUPERCONDUCTORS GET READY TO TRANSFORM INDUSTRY  
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## GLAZING

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ION EXCHANGES, FIBRE REACTION OF CALCINATED  
JAPANESE NATIONAL PROJECT ON INTERMETALLICS AND  
JOINING OF CARBON FIBRE-REINFORCED SILICON NITRIDE  
JOINING OF CARBON-CARBON COMPOSITES FOR THERMONUCLEAR  
JOINING OF CARBON-CARBON COMPOSITES USING BORON AND  
JOINING OF C/C COMPOSITES FOR THERMONUCLEAR FUSION  
JOINING OF SiC TO SiC USING A PRECERAMIC POLYMER  
JOINING OF Si-Ti-C O FIBRE-ASSEMBLED CERAMIC  
LAMINATED C-SiC MATRIX COMPOSITES PRODUCED BY CVI  
LAMINO-COATED CERAMICS  
LAYERED COMPOSITE CARBIDE PRODUCT AND METHOD OF  
LAYERED SiC<sub>3</sub>N<sub>4</sub> COMPOSITES WITH ENHANCED ROOM  
LIQUID INFILTRATION AND PYROLYSIS OF SiC MATRIX  
LITHIUM SALT-BASED ADDITIVES FOR EARLY  
LOW PRESSURE INJECTION MOULDING OF SiC PLATELET  
LOW SPECIFIC GRAVITY BINDER FOR MAGNETS  
LOW TEMPERATURE SYNTHESIS OF A SELF-ASSEMBLING  
LOW-TEMPERATURE SINTERING AND HIGH-STRENGTH  
LUMINESCENCE CHARACTERISTICS OF THE LANTHANIDE COMPLEX  
MACHINABILITY OF PARTICULATE REINFORCED LIGHT ALLOY  
MINIING OF CMC MATERIAL USING YAG LASER  
MACHINING-INDUCED SURFACE RESIDUAL STRESS BEHAVIOUR IN  
MACROCOMPOSITE BODIES  
MACROSCOPIC MODELLING AND DAMAGE PROCESSES IN CMC'S  
MAGNETIC AND ELECTRICAL PROPERTIES OF METAL/FERRITE  
MAGNETIC RECORDING POWDER HAVING LOW CURIE TEMPERATURE  
MAGNETICALLY ASSISTED PIEZOELECTRIC VALVE ACTUATOR  
MAKING CERAMIC POWDERS FROM MOLTEN SALTS  
MANUFACTURE OF COMPOSITE MATERIALS  
MANUFACTURE OF SiC WOVEN REINFORCED COMPOSITES USING A  
MANUFACTURE, PROPERTIES AND APPLICATIONS OF WHISKER

76-03025P  
76-04256A  
76-04319A  
76-01610A  
76-01836C  
76-05056A  
76-04451A  
76-04324A  
76-01022A  
76-02532P  
76-03660A  
76-02585P  
76-03862C  
76-04783A  
76-09235A  
76-04784C  
76-09236C  
76-04785C  
76-04786C  
76-00449C  
76-04787C  
76-04572P  
76-02650A  
76-01946A  
76-05139A  
76-00254A  
76-09237A  
76-07006A  
76-08919A  
76-03965C  
76-04258A  
76-04635A  
76-06436C  
76-08626P  
76-08905C  
76-06019C  
76-08627P  
76-04458A  
76-01949A  
76-04788A  
76-04896A  
76-08919A  
76-06844C  
76-04733A  
76-03661C  
76-04995A  
76-03714A  
76-06845A  
76-07007A  
76-02278A  
76-01695P  
76-06236A  
76-08906C  
76-08906C  
76-01950A  
76-01227C  
76-04459A  
76-06441C  
76-09238A  
76-04791C  
76-07008A  
76-04459A  
76-02217A  
76-04792A  
76-02198A  
76-02235A  
76-00041A  
76-09240A  
76-02280A  
76-02281A  
76-06847A  
76-04459A  
76-07009A  
76-06444A  
76-08283A  
76-08284A  
76-04459A  
76-06446C  
76-05059A  
76-02503A  
76-00106A  
76-04793A  
76-02236C  
76-07010C  
76-07011A  
76-09197A  
76-05488P  
76-04461A  
76-09241C  
76-02282A  
76-04462A  
76-05218A  
76-04463A  
76-04904A  
76-03721A  
76-08178A  
76-08179A  
76-08179A  
76-03722C  
76-03723A  
76-08911A  
76-02090P  
76-04463A  
76-04634A  
76-06450C  
76-06958A  
76-06452A  
76-03661C  
76-04465A  
76-07446A  
76-06454A  
76-00109C  
76-05488P  
76-01962A  
76-06624P  
76-04794C  
76-08002A  
76-01042P  
76-03456P  
76-01500A  
76-02534P  
76-08913C  
76-02504A

- MANUFACTURING OF CERAMIC MATRIX COMPOSITES WITH WOVEN MATERIAL PROPERTIES OF SULPHONATED PHENOLIC RESIN MATERIALS AND NUCLEAR POWER
- MEASUREMENT AND ANALYSIS OF THE  $\mu$ CT CURVE GIVING THE MEASUREMENT AND INTERPRETATION OF THERMAL TRANSPORT IN MEASUREMENT AND ROLE OF RESIDUAL STRESSES IN MEASUREMENT OF TENSILE STRESS AND WORK-OF-FRACTURE MEASUREMENTS OF ELASTIC AND ANELASTIC PROPERTIES OF MEASUREMENTS OF THE DYNAMIC YOUNG'S MODULUS AND MECHANICAL ALLOYING OF NANOCRYSTALLINE V5I2/SiC MECHANICAL AND ELECTRICAL PROPERTIES OF HOT-PRESSED MECHANICAL AND STRUCTURAL CHARACTERISATION OF NICALON MECHANICAL AND TRIBOLOGICAL PROPERTIES OF MECHANICAL BEHAVIOUR AND RELIABILITY OF SINTERED MECHANICAL BEHAVIOUR, MICROSTRUCTURE AND PHASE MECHANICAL BEHAVIOUR OF AN ALUMINA FIBRE REINFORCED MECHANICAL BEHAVIOUR OF  $\text{MgO}$ -WHISKER REINFORCED MECHANICAL BEHAVIOUR OF SEVERAL HYBRID MECHANICAL BEHAVIOUR OF SILICON-SILICON CARBIDE MECHANICAL BEHAVIOUR OF A UNI-DIRECTIONAL TYRANNO SiC MECHANICAL BEHAVIOURS OF  $\text{Si3N4-SiC/Si3N4-Si3N4}$  LAYERED MECHANICAL PROPERTIES AND CUTTING PERFORMANCE OF MECHANICAL PROPERTIES AND FAILURE ANALYSIS OF MECHANICAL PROPERTIES AND FRACTURE BEHAVIOUR OF MECHANICAL PROPERTIES AND MICROSTRUCTURAL ANALYSIS OF MECHANICAL PROPERTIES AND MICROSTRUCTURE OF  $\text{AlN/W}$  MECHANICAL PROPERTIES AND MICROSTRUCTURE OF  $\text{ZrO2-SiO2}$  MECHANICAL PROPERTIES AND THERMAL STABILITY OF MECHANICAL PROPERTIES AND OXIDATION RESISTIVITY OF MECHANICAL PROPERTIES FOR SOME SILICON MECHANICAL PROPERTIES OF 3-D CERAMIC MATRIX COMPOSITES MECHANICAL PROPERTIES OF  $\text{Al2O3 + ZrO2 + NANO-SiCp}$  MECHANICAL PROPERTIES OF  $\text{Al2O3}$  ON PARTIALLY SINTERED MECHANICAL PROPERTIES OF ALUMINA-METAL-ZIRCONIA MECHANICAL PROPERTIES OF AS-CAST AND HEAT-TREATED MECHANICAL PROPERTIES OF CAST LEAD ALLOY/SILICON MECHANICAL PROPERTIES OF CONTINUOUS CARBON FIBRE MECHANICAL PROPERTIES OF T300AL ALUMINA-T3P MECHANICAL PROPERTIES OF  $\text{MoSi2/SiC/20w}$  NET SHAPE MECHANICAL PROPERTIES OF  $\text{MoSi2/ZrO2}$  COMPOSITES AT ROOM MECHANICAL PROPERTIES OF ORMOSILS MECHANICAL PROPERTIES OF SINTER-FORGED  $\text{Al2O3-ZrO2}$  MECHANICAL PROPERTIES OF T300AL COMPOSITES MECHANICAL RELIABILITY AND PROPERTIES OF SINTERED MECHANICALLY ENHANCED CARBOTHERMIC SYNTHESIS OF MECHANISM OF INTERFACE FORMATION IN A SILICON CARBIDE MECHANISM OF SPONTANEOUS INFILTRATION OF  $\text{Al-Si}$  ALLOY MECHANOCHEMICAL SYNTHESIS OF DISPERSED COMPOSITES WITH METAL DISTRIBUTION IN ALUMINA-ALUMINUM COMPOSITES METAL MATRIX COMPOSITE BODIES UTILIZING A CRUSHED METAL MATRIX COMPOSITIONS AND METHOD OF MANUFACTURE METAL-CERAMIC COMPOSITE LID METAL-CERAMIC COMPOSITE STRUCTURE METHOD FOR DIRECT MEASUREMENT OF THE BRIDGING STRAIN METHOD FOR FABRICATING ELECTRONIC COMPONENTS METHOD FOR FABRICATING LAMELLAR PIEZOELECTRIC PREFORM METHOD FOR FORMING CHROMIUM CARBIDE BASED CERAMICS METHOD FOR FORMING THIN COMPOSITE SOLID ELECTROLYTE METHOD FOR MAKING CERAMIC SUBSTRATES FROM THIN AND METHOD FOR MAKING FIBRE REINFORCED CERAMIC MATRIX METHOD FOR MAKING LOW DENSITY CERAMIC COMPOSITES METHOD FOR MAKING PIEZOELECTRIC COMPOSITES METHOD FOR MEASURING METAL INFILTRATION RATES IN METHOD FOR PREPARING A BARRIER COATING COMPOSITE METHOD FOR PREPARING CERAMIC MIXED-OXIDE MATERIALS METHOD FOR PRODUCING FRMC/CERAMIC FGM PANELS METHOD FOR PRODUCING SILICON NITRIDE/SILICON CARBIDE METHOD OF FABRICATING SEMICONDUCTOR DEVICES AND METHOD OF MAKING A CERAMIC COMPOSITE INFILTRATION METHOD OF MAKING CERAMIC MATRIX COMPOSITE CERAMIC FOAM METHOD OF MAKING COMPOSITE CERAMIC ARTICLES HAVING METHOD OF MAKING COMPOSITE CERMET ARTICLES AND THE METHOD OF MAKING COMPOSITES OF METALS AND OXIDES METHOD OF MAKING A DIAMOND-COATED COMPOSITE BODY METHOD OF MAKING FERRULELECTRIC-FERROMAGNETIC COMPOSITE METHOD OF MAKING HEAT- AND IMPACT-RESISTANT COMPOSITE METHOD OF MAKING PARTS OUT OF AN ALUMINA MATRIX METHOD OF MAKING A TOUGHENED CERAMIC COMPOSITE METHOD OF MANUFACTURING A COMPOSITE CERAMIC SINTERED METHOD OF MANUFACTURING A COMPOSITE MATERIAL METHOD OF MANUFACTURING A COMPOSITE SINTERED BODY METHOD OF MANUFACTURING A SINTERED COMPOSITE BODY OF METHOD OF PRODUCING COMPOSITE METAL OXIDE MATERIAL METHOD OF PRODUCING  $\text{Si3N4}$ -REINFORCED MONOCLINIC METHOD OF PROTECTING PRODUCTS OF COMPOSITE MATERIAL METHODS FOR QUANTIFYING MICROSTRUCTURE OF CERAMIC MICROCRACKS RELATED TO DILATIONAL TRANSFORMATION IN MICROGRAVITATIONAL COMBUSTION SYNTHESIS
- MICROHARDNESS AND MICROSTRUCTURE OF BN- $\text{Al2O3}$  CERAMICS MICROHARDNESS TESTING OF CEMENTITIOUS MATERIALS MICROPARTICLE ENHANCED FIBROUS CERAMICS MICROPYRITIC SYNTHESIS OF  $\text{Ni-Al}$  INTERMETALLIC MICROSTRUCTURAL AND CHEMICAL STABILITY OF  $\text{V-ZrO2}$  MICROSTRUCTURAL DEPENDENCE OF FRACTURE ENERGY AND MICROSTRUCTURAL EVOLUTION DURING TRANSIENT PLASTIC MICROSTRUCTURAL EVOLUTION OF CERAMIC COMPOSITES MICROSTRUCTURAL STUDIES OF BURNER-RIG THERMALLY MICROSTRUCTURAL STUDIES OF SiC CONTINUOUS MICROSTRUCTURAL STUDY OF GROWTH OF  $\text{Al2O3}$  MICROSTRUCTURE AND COMPOSITION OF  $\text{Al2O3}$  COMPOSITES MICROSTRUCTURE AND FLEXURAL CREEP BEHAVIOUR OF SiC MICROSTRUCTURE AND FRACTURE CHARACTERISTIC OF MICROSTRUCTURE AND MECHANICAL PROPERTIES OF AN  $\text{Al/SiCp}$  MICROSTRUCTURE AND MECHANICAL PROPERTIES OF HOT MICROSTRUCTURE AND MECHANICAL PROPERTIES OF MICROSTRUCTURE AND MECHANICAL PROPERTIES OF SiC MICROSTRUCTURE AND MECHANICAL PROPERTIES OF SiC MICROSTRUCTURE AND MECHANICAL PROPERTIES OF SILICON MICROSTRUCTURE AND MECHANICAL PROPERTIES OF TiC-Ni/Al MICROSTRUCTURE AND MECHANICAL PROPERTIES OF THE MICROSTRUCTURE AND TOUGHENING MECHANISM OF THE MICROSTRUCTURE BLOCKING EFFECTS VERSUS EFFECTIVE MICROSTRUCTURE, CHEMICAL REACTION AND MECHANICAL MICROSTRUCTURE DEVELOPMENT IN MULLITE-ALUMINA MICROSTRUCTURE DEVELOPMENT OF MULLITE-ALUMINA MICROSTRUCTURE, MECHANICAL PROPERTIES AND CUTTING MICROSTRUCTURE OF  $\text{Al2O3-ZrO2}$  NANOCOMPOSITES PREPARED MICROSTRUCTURE OF A HIGH STRENGTH ALUMINA GLASS MICROSTRUCTURE OF  $\text{Ni-TiC}$  CEMENTED CARBIDE COMPOSITES MICROSTRUCTURE OF NON-OXIDE CERAMICS FORMED BY SHS/HP MICROSTRUCTURE OF  $(\text{Fe0.2Co0.8})_2(\text{Fe2.38Co0.62O4})$ : A MICROSTRUCTURES AND METASTABLE PHASES PRODUCED IN COLD MICROWAVE PROCESSED GLASS COMPOSITE MATERIALS
- MICROWAVE PROCESSING OF  $\text{Al2O3-ZrO2}$  COMPOSITES MICROWAVE SINTERING OF TiC- $\text{Al2O3}$  COMPOSITE MILITARY TURBOJET COMPONENT DESIGN AND VALIDATION WITH MODEL OF THE NON-LINEAR STRESS-STRAIN BEHAVIOUR OF A MODELLING AND EXPERIMENTAL STUDIES OF SIMULTANEOUS MODELLING AND SIMULATION OF THE MECHANICAL BEHAVIOUR MODELLING OF AN ELECTROLYTE MATRIX FOR A PHOSPHORIC MODULING OF THE STRESS-STRAIN BEHAVIOUR DURING MODELLING, SINTERING, MICROSTRUCTURE, AND MECHANICAL MODELLING THE ELASTIC-PLASTIC DEFORMATION OF  $\text{Al/Al2O3}$  MODELS OF HIGH-TEMPERATURE, ENVIRONMENTALLY ASSISTED MODIFICATION OF MICROSTRUCTURE OF ALUMINA CERAMICS MODIFICATIONS OF ALPHABETAL UNDER HYDROTHERMAL MOLYBDENUM DISULFIDE MATRIX COMPOSITES REINFORCED MONTE CARLO SIMULATIONS OF CONDUCTIVITY OF COMPOSITE MORPHOLOGY AND ULTRASTRUCTURE OF THE INTERFACE BETWEEN MOS TRANSISTOR HAVING A COMPOSITE GATE ELECTRODE AND  $\text{MoSi2-BETA}$  SIAION PARTICULATE CERAMIC COMPOSITE MULTITE/SIAION/ALUMINA COMPOSITES BY INFILTRATION MULTILEVEL CERAMIC COMPOSITE OF  $\text{TiB2-Ti0.9W0.1C-SiC}$  MULTIPHASE CERAMICS BY INFILTRATION PROCESSING MULTIPLE DIAMOND LAYER POLYCRYSTALLINE DIAMOND MULTIPLE GRADE CEMENTED CARBIDE ARTICLES AND A METHOD NANOSCALE MICROSTRUCTURE OF 2D C-C-SiC CERAMIC NANOSIZED SiC PARTICULATES DISPERSED SIAION CERAMICS NANOSTRUCTURED MATERIALS FOR PHOTONICS NATURAL AGEING BEHAVIOUR OF CAST ALUMINA NET SHAPE PROCESSING OF  $\text{MgO}$ -ALUMINA CERAMIC COMPOSITES NEAR-SURFACE DEFORMATION IN AN ALUMINA-SILICON NET SHAPE MANUFACTURING OF CMCs AND MMCs BY LANXIDE NET SHAPE PROCESSING CO-CONTINUOUS ALUMINA-ALUMINUM NEUTRON DIFFRACTION MEASUREMENTS OF THERMAL RESIDUAL NEUTRON DIFFRACTION STUDIES OF RESIDUAL STRESS IN NEW COMPOSITE FOR PLASMA FUEL COMPONENT IN NUCLEAR NEW LOW-VOLTAGE VARISTOR COMPOSITES NEW METHOD FOR JOINING SiC/SiC COMPOSITES NEW PIEZOELECTRIC COMPOSITE ACTUATOR DESIGNS FOR NEW SYSTEMS RELIABLE TO CGM-ANALYTICAL ARTICLES IN SOL-GEL NMR CHARACTERISATION OF HYBRID SYSTEMS BASED ON NMR CHARACTERISATION OF THE CHEMICAL HOMOGENEITY IN NONDESTRUCTIVE INSPECTION OF THE INTERFACE BY X-RAY NOVEL DIAMOND/CARBON/CARBON COMPOSITES FOR HEAT NOVEL NANOORGANIC HYBRIDS IN SITU SOL-GEL NOVEL ORGANOSILICON PRECURSORS FOR SiC CERAMICS AND NOVEL PROCESS FOR TITANIUM NITRIDE WHISKER SYNTHESIS NOVEL PROCESSING APPROACH TO FABRICATE ALUMINUM NOVEL PROCESSING ROUTE FOR ALUMINA/SiC NANOCOMPOSITES NOVEL SOL-GEL ROUTE TO PREPARE 50% PSZ-50%  $\text{Al2O3}$  NOVEL STRAIN RATE EFFECTS ON THE STRESS-STRAIN BEHAVIOUR NUMERICAL SIMULATION OF THE NON-LINEAR STRESS-STRAIN (NZP),  $\text{NaZr2P3O12}$ -TYPE MATERIALS FOR PROTECTION OF OBSERVATION OF THREE-DIMENSIONAL INTERFACIAL OBTAINMENT AND MAJOR CHARACTERISTICS OF SOME MULLITE ON THE CREEP BEHAVIOUR OF SiC/ALUMINA COMPOSITES ON THE MICROSTRUCTURE OF CER-FE AND CER-NI ON THE PERFORMANCE OF A C/N COATED SiC WHISKERS ON THE ROLE OF INTERFACE STRUCTURE AND COMPOSITION IN ON THE VARIABILITY OF STRENGTH TO TOUGHNESS RATIO IN OPTICAL PROPERTIES OF POLY-CERAMICS AT ELEVATED OPTICAL WAVEGUIDE, WAVEGUIDE AMPLIFIER AND LASER OPTIMISATION AND ANALYSIS OF MICROSTRUCTURAL RESIDUAL OPTIMISATION OF CHEMICAL REACTIONS BETWEEN OPTIMISATION OF DISPERSION OF NANOSIZED SiC PARTICLES OPTIMISATION OF A DUCTILE PARTICLE-TOUGHENED CERAMIC OPTIMISATION OF THE FUGITIVE COATING THICKNESS IN ORGANIC-INORGANIC COMPOSITES WITH OPTICAL PROPERTIES ORGANIC-INORGANIC HYBRID DENTAL RESTORATIVE MATERIAL OUTLOOK FOR CERAMIC MATRIX COMPOSITES OXIDATION AND CORROSION OF SiC PARTICULATES/ $\text{Al/Al2O3}$  OXIDATION AND SALT CORROSION OF AN  $\text{Si3N4-ZrO2}$  OXIDATION BEHAVIOUR OF CARBON REINFORCED GLASS MATRIX OXIDATION BEHAVIOUR OF CARBON/ALUMINUM AND OXIDATION BEHAVIOUR OF SiC COATED CARBON/CARBON OXIDATION BEHAVIOUR OF SiC AT HIGH TEMPERATURE OXIDATION KINETICS OF  $\text{MgO-SiC}$  COMPOSITES OXIDATION MODES OF NON-OXIDE PARTICLES IN OXIDE MATRIX OXIDATION OF HOT-PRESSED SILICON CARBIDE OXIDATION OF THE CARBON INTERFACE IN OXIDATION PROTECTION FOR CARBON/CARBON COMPOSITES OXIDATION STABLE CERAMIC COMPOSITES PARTICLE-INHIBITED GRAIN GROWTH IN  $\text{Al2O3-SiC}$  PT.1 PARTICLE-INHIBITED GRAIN GROWTH IN  $\text{Al2O3-SiC}$  PT.2 PERFLUOROARYL SUBSTITUTED INORGANIC-ORGANIC HYBRID PERFORMANCE OF CERAMIC CUTTING TOOLS IN TURNING PERFORMANCE OF VENTURER ALUMINA AS MATRIX MATERIAL PERFORMANCE OF ZINC ALLOY BASED METAL MATRIX PERIODONTAL RESORBABLE MEMBRANE BASED ON CERAMICS: A PEROVSKITE-TYPE  $\text{BaTiO3}$  CERAMICS CONTAINING PARTICULATE PHASE COMPOSITION CONTROL IN SiC COMPOSITES PREPARED PHASE TRANSFORMATION EFFECT ON  $\text{Al2O3-ZrO2/V2O5-TiN}$  PHOTOEMISSION STUDY OF THE  $\text{YBa2Cu3O7-Au}$  COMPOSITE PHOTOREFRACTIVE SOL-GEL MATERIALS PIEZOCOMPOSITE SHEET ACTUATED VALVE PIEZOELECTRIC CERAMIC COMPOSITION PIEZOELECTRIC COMPOSITES WITH ENCLOSED HOLLOW SPACES PILOT-SCALE COMBUSTION TESTING OF SILICON-BASED PISTON MATERIALS - AN OVERVIEW PLASTIC DEFORMATION AT HIGH TEMPERATURES OF PLASTICITY OF NANOCRYSTALLINE ZIRCONIA CERAMICS AND POLY(METHYL METHACRYLATE)-TITANIA HYBRID MATERIALS BY POLYIMIDE-SILICA HYBRID MATERIALS POLYMER DERIVED ANTIOXIDATION COATINGS ON POLYMER EFFECTS ON MICROSTRUCTURE AND MACROSCOPIC POLYMER-CLAY NANOCOMPOSITES: FREE-RADICAL GRAFTING OF POLYMER-DERIVED CERAMIC COMPOSITES ON C-C-SiC COMPOSITES POLYMERIC-HYDROXYAPATITE BONE COMPOSITE POLYMER-SILICA HYBRID MATERIALS PREPARED FROM SOME POROSITY IN COMPOSITE ZIRCON MEMBRANES POSITIVE-TEMPERATURE-COEFFICIENT EFFECT IN POST-INDENTATION SUBCRITICAL (BLOW) CRACK GROWTH IN POWDER HOT PRESSING AND FRONT PAD EXTRUSION METHOD FOR POWDER PROCESSING OF AA 6061 ALUMINUM METAL MATRIX POWDERS AND COMPONENTS PRODUCED BY USING SOLID PREOXIDATION OF THE STRENGTH DISTRIBUTION PREPARATION AND CHARACTERISATION OF Au-DISPERSED  $\text{TiO2}$  PREPARATION AND CHARACTERISATION OF FINE PARTICLES OF PREPARATION AND CRITICAL CURRENT DENSITY OF Bi-BASED PREPARATION AND MECHANICAL PROPERTIES OF CALCIUM PREPARATION AND MECHANICAL PROPERTIES OF CERMETS PREPARATION AND MECHANICAL PROPERTIES OF HIGH-PURITY PREPARATION AND MECHANICAL PROPERTIES OF LONG ALUMINA PREPARATION AND MECHANICAL PROPERTIES OF SiC WHISKER PREPARATION AND MICROSTRUCTURE OF  $\text{TiB2-TiC-SiC}$  PREPARATION AND PROPERTIES OF POLYPROPYLENE REINFORCED



- PREPARATION AND PROPERTIES OF SiC FIBRE REINFORCED  
PREPARATION OF Fe-TiC COMPOSITES BY THE  
PREPARATION OF GRAPHITE-CRISTOBALITE/SILICONE RUBBER  
PREPARATION OF HIGH STRENGTH CERAMIC FIBRE REINFORCED  
PREPARATION OF HIGH-STRENGTH CALCIUM PHOSPHATE  
PREPARATION OF HIGH-TO SUPERCONDUCTING CERAMIC/POLYMER  
PREPARATION OF INORGANIC COMPOSITE MATERIALS WITH AN  
PREPARATION OF LAMINATED CERAMIC COMPOSITES USING  
PREPARATION OF NANOCOMPOSITE MATERIALS CONTAINING WS<sub>2</sub>  
PREPARATION OF A NANOCOMPOSITE OF POLYPROPYLENE AND  
PREPARATION OF NANOMETRE-SIZED ZrO<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub> POWDERS BY  
PREPARATION OF NIAI-TOUGHENED Al<sub>2</sub>O<sub>3</sub>  
PREPARATION OF NiO/Si<sub>3</sub>N<sub>4</sub> ULTRA-FINE POWDER COMPOSITES  
PREPARATION OF POLYIMIDE-SILICA HYBRID MATERIALS BY  
PREPARATION OF SUPERCONDUCTING OXIDES AND OXIDE-METAL  
PREPARATION OF ZEOLITE Y-VEGETAL FIBRE COMPOSITE  
PRESSURELESS SINTERING AND ELASTIC CONSTANTS OF  
PRESSURELESS SINTERING OF DENSE SiO<sub>2</sub> AND Si<sub>3</sub>N<sub>4</sub>/SiC  
PRESSURELESS SINTERING OF WHISKER-REINFORCED Al<sub>2</sub>O<sub>3</sub>  
PRESSURE-PULSED CHEMICAL VAPOUR INFILTRATION OF SiC TO  
PRESSURE-PULSED CHEMICAL VAPOUR INFILTRATION OF TiN TO  
PROCESS FOR FORMING A MULLITE-ZIRCONIA ENGINE PART  
PROCESS FOR FORMING A SINTERED COMPOSITE BORON CARBIDE  
PROCESS FOR FORMING A SUPERCONDUCTING FIBREFORM  
PROCESS FOR MAKING A HYBRID CERAMIC ARTICLE  
PROCESS FOR MAKING TiC-BASED-SiC WHISKER COMPOSITE  
PROCESS FOR MANUFACTURING AN SiC COMPOSITION  
PROCESS FOR PREPARING TITANIUM NITRIDE SINTERED BODIES  
PROCESS FOR PRODUCING ARTICLES OF CARBON-SILICON  
PROCESS FOR A SURFACE TREATMENT OF A GLASS FABRIC  
PROCESS FOR THE PREPARATION OF SiC WHISKER-REINFORCED  
PROCESS FOR THE PRODUCTION OF CARBON-FIBRE  
PROCESS FOR THE PRODUCTION OF COMPOSITE SYSTEMS HAVING  
PROCESSING AND CHARACTERISATION OF ALUMINIUM  
PROCESSING AND FLEXURAL BEHAVIOUR OF ALUMINA  
PROCESSING AND MECHANICAL PROPERTIES OF BIODIFFUSIBLE  
PROCESSING AND MICROSTRUCTURAL DEVELOPMENT OF  
PROCESSING AND MICROSTRUCTURE OF CONTINUOUS FIBRE  
PROCESSING AND PROPERTIES OF AlN MATRIX COMPOSITE  
PROCESSING AND PROPERTIES OF ALUMINA-SILICON CARBIDE  
PROCESSING AND PROPERTIES OF NANOSTRUCTURED Ni-ZrO<sub>2</sub>  
PROCESSING AND PROPERTIES OF SILICON CARBIDE WHISKERS  
PROCESSING ASPECTS OF GLASS-NICALON FIBRE AND  
PROCESSING EFFECTS ON INTERFACIAL SLIDING OF DEBONDED  
PROCESSING, MICROSTRUCTURE AND HIGH TEMPERATURE  
PROCESSING, MICROSTRUCTURE AND MECHANICAL PROPERTIES  
PROCESSING OF Al<sub>2</sub>O<sub>3</sub>/SiC COMPOSITES IN AQUEOUS MEDIA  
PROCESSING OF AlN-BAlC<sub>2</sub> COMPOSITES  
PROCESSING OF ALUMINA-WOLLASTONITE COMPOSITE  
PROCESSING OF CMCS FROM NOVEL ORGANOMETALLIC  
PROCESSING OF A MAGNESIUM-ALUMINO-SILICATE MATRIX, SiC  
PROCESSING OF A NOVEL MULTILAYERED SILICON NITRIDE  
PROCESSING OF NOVEL REACTION BONDED SiC CERAMICS USING  
PRODUCING CERAMIC LAMINATE COMPOSITES BY EPD  
PRODUCTION AND PROPERTIES OF MULTILAYER Si-TiO<sub>2</sub>-Si<sub>3</sub>N<sub>4</sub>  
PRODUCTION OF CERAMIC COMPOSITES USING LIGHTWEIGHT  
PRODUCTION OF COMPOSITE CERAMICS BASED ON ZIRCONIA  
PRODUCTION OF FIBRE-REINFORCED ZIRCONIUM CERAMICS BY  
PRODUCTION OF TiB<sub>2</sub>-TiN COMPOSITES BY COMBUSTION  
PROGRESS IN CERAMIC MATERIALS FOR AUTOMOBILES  
PROPERTIES AND STABILITY OF Cu-BAlC<sub>2</sub> COMPOSITES  
PROPERTIES OF CERAMICS IN THE Nb<sub>2</sub>-Cv<sub>2</sub> SYSTEM  
PROPERTIES OF NOVEL POLYMER DERIVED CERAMIC COMPOSITES  
PROPERTIES OF ZrO<sub>2</sub>-Ca-BETA'-Al<sub>2</sub>O<sub>3</sub> COMPOSITES  
PROPERTY MODIFICATION OF NANOSCALED Si-C-N-COMPOSITES  
PYROLYTIC FIBRE COATING FOR TOUGHENED CERAMIC  
PYROLYTIC PROPERTIES OF DIHAPAC POLAR  
PYROLYTIC BEHAVIOUR OF Si-C-O FIBRE IN ALUMINA MATRIX  
PYROLYTIC BEHAVIOUR OF Si-Ti-C-O FIBRE IN ALUMINA  
QUANTITATIVE ANALYSIS OF CAVITATION IN Al-Cu-Mg METAL  
QUANTITATIVE MINERALOGICAL ANALYSIS BY X-RAY  
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 SHORT RANGE AND MEDIUM-RANGE ORDER IN LITHIUM SILICATE  
 SIGMAS (210)/(001) SYMMETRIC TILT GRAIN BOUNDARY IN  
 SIMULATION OF CEMENT HYDRATION AND THE CONNECTIVITY OF  
 SIMULATION OF THE DYNAMICAL BEHAVIOUR OF 1-3  
 SINTERING OF NANO-PARTICLE POWDERS: SIMULATIONS AND  
 SOLID OXIDE FUEL CELLS WITH INTEGRATED AIR PRE-HEATER  
 SPACE FILLING BY NUCLEATION AND GROWTH IN CHEMICAL  
 STACK AND CELL MODELLING WITH SOFC3D: A COMPUTER  
 STRUCTURAL CHANGE IN PLASMA-SPRAYED ALUMINA COATINGS  
 STRUCTURAL PERFORMANCE OF THE VAULTED MASONRY ROOF OF  
 THREE-DIMENSIONAL COMPUTER SIMULATION OF PORTLAND  
 TREE HAS ALWAYS KNOWN THAT - DESIGN BY NATURE AND  
 COMPUTER SIMULATION  
 DEVELOPMENT OF TEMPERATURE-ELEVATION SCHEDULES FOR  
 CONCRETE  
 CONTROL OF EXPANSION IN CONCRETE DUE TO ALKALI SILICA  
 DESIGNING WITH COLOURED CONCRETE MASONRY  
 EFFECT OF REINFORCEMENT OF CEMENT COMPOSITES  
 FIBRE-REINFORCED PLASTIC (FRP)-CONCRETE COMPOSITE  
 FRACTURE TEST FOR BRITTLE MATERIALS  
 IMPEDANCE CHARACTERISATION OF ORDINARY PORTLAND  
 INDUCED TENSILE STRESSES IN RESTRAINED SHRINKING  
 MASONRY UNIT SHAPE FACTORS FOR LIGHTWEIGHT PPA  
 METHOD OF MAKING CONCRETE FROM BASE METAL SMELTER SLAG  
 NEW INSIGHT ON ALKALINE HYDROLYSIS OF CALCIUM  
 PROCESSED SILICA AS A NATURAL POZZOLAN FOR USE AS A  
 PROPERTIES OF MORTAR FOR AIRCRETE BLOCKWORK  
 STRENGTH AND STIFFNESS OF AUTOCLAVED AERATED CONCRETE  
 STUDY ON THE GAS PERMEABILITY OF CONCRETE MADE OF  
 USE OF AIRCRETE BLOCKS IN SUSPENDED FLOORS  
 ZOOS CHOOSE MASONRY FOR STRENGTH AND DURABILITY  
 CONDENSATION  
 CHEMICAL FUNCTIONALIZATION OF SILICA AEROGELS  
 CROSS-CONDENSATION KINETICS OF ORGANICALLY MODIFIED  
 GLYCIDYLOXYPROPYLTRIMETHOXYSILOANE MODIFIED COLLOIDAL  
 HYDROLYSIS AND CONDENSATION KINETICS OF TWO COMPONENT  
 INVESTIGATION OF HYDROLYSIS AND CONDENSATION IN  
 MOULDED ARTICLE BASED ON PZT ( $Pb(Zr,Ti)_3$  LEAD  
 SILICA-BASED BINDER  
 SYNTHESIS OF AN INORGANIC/ORGANIC NETWORK POLYMER BY  
 CONDUCTION  
 HOPPING CONDUCTION IN HEAVILY DOPED BULK n-TYPE SiC  
 CONSERVATION  
 DARK STAINS ON COTTO AND TERRACOTTA TILES  
 WELCOME BACK TERRACOTTA: A DECADE OF RENEWED INTEREST  
 CONSTRUCTION  
 BUILDING BRICKWORK OR BLOCKWORK RETAINING WALLS  
 BUILDING WITH CALCIUM SILICATE ELEMENTS  
 DEVELOPMENT OF CLAY BRICK CONSTRUCTION IN NORTHERN  
 DRY-STONE WALLS  
 INVESTIGATIONS IN THE BRICK LAYING PROCESS ON THE  
 POST-TENSIONED BRICK GIRDER AT VERNON TERRACE  
 QUALITY CONTROL AND CERTIFICATE OF CONFORMITY FOR  
 TECHNICAL AND OPERATIONAL DIFFICULTIES IN CAVITY WALL  
 WALL BUILDING, AN EXERCISE UNDERTAKEN BY FIRST YEAR  
 CONSTRUCTION INDUSTRY  
 CONSTRUCTION RAW MATERIALS

## CONTACTS

COMPARISON OF Ni/Au, Pd/Au, AND Cr/Au METALLISATIONS  
Cr/Ni/Au OHMIC CONTACTS TO THE MODERATELY DOPED P- AND  
ELECTRICAL PROPERTIES OF METAL-DIAMOND-LIKE-  
IMPROVED Ni OHMIC CONTACT ON n-TYPE 4H-SiC  
IN-BASED OHMIC CONTACTS TO AlInN  
INVESTIGATION OF ALUMINUM AND TITANIUM/ALUMINUM  
InGa<sub>1-x</sub>As OHMIC CONTACTS TO n-TYPE GaAs WITH A  
LOW RESISTANCE BILAYER Ni/Al OHMIC CONTACTS ON n-TYPE  
MATERIAL FOR ELECTRIC CONTACTS TAKING SILVER-TIN OXIDE  
METHOD FOR FORMING A CONTACT WITH ACTIVATION AND  
METHOD FOR PROVIDING TRENCH ISOLATION AND BORDERLESS  
METHOD OF FABRICATING BICMOS DEVICE  
METHOD OF FABRICATING A SELF-ALIGNED CONTACT TRENCH  
METHOD OF FORMING A SILICON CARBIDE JFET  
OHMIC CONTACT TO n-GaN WITH TIN DIFFUSION BARRIER  
OHMIC CONTACTS TO III-V SEMICONDUCTORS: THE  
OHMIC CONTACTS TO n- AND p-GaN  
PROCESS FOR BONDING A CONTACT LAYER OF SILVER-METAL  
PIN<sub>2</sub> OHMIC CONTACTS TO n-GaN  
RESIDUAL DAMAGE EFFECTS ON GATE CONTACTS FORMED ON SiC  
SUPER SELF-ALIGN PROCESS FOR FABRICATING SUBMICRON  
THERMAL STABILITY OF Pt, Pd, AND Ni ON GaN

## CONTAINERS

APPARATUS FOR GROWING Si CRYSTALS  
CONTAINER GLASS: INTERVIEWS WITH FRENCH GLASSMAKERS  
FRENCH HOLLOW GLASS INDUSTRY  
GLASS COMPOSITION DETERMINATION METHOD AND APPARATUS  
SITUATION OF THE CONTAINER AND TABLEWARE GLASS

## CONTROL SYSTEM

## CULLET

## CONTROL SYSTEMS

AIR POLLUTION CONTROL PROCESS AND APPARATUS FOR GLASS  
AUTOMATIC CONTROL PROCESS IN THE SANITARYWARE  
COMPLETE REFRACTORY MANAGEMENT  
CONTROL FOR GLASS-FORMING MACHINE  
CONTROLLING AIR FLOW IN A TUNNEL KILN  
DEVICES FOR AUTOMATION OF TECHNOLOGICAL PROCESSES  
ECS/FUZZYEXPERT PAYS BACK IN 12 MONTHS  
FIBRE OPTIC TECHNOLOGY IN DUST MONITORING  
IN-PROCESS ANALYSIS OF THE CALCINATION OF TITANIUM  
KIND OF SINGLE CHIP COMPUTER AUTOCENTROL SYSTEM USED  
MATHEMATICAL MODELLING IN RESEARCH AND DESIGN OF  
METHOD OF ALUMINUM OXIDE LOW PRESSURE CHEMICAL VAPOUR  
MODERN SYSTEM FOR PROCESS CONTROL IN THE PRODUCTION OF  
MULTICOMPONENT BATCHING COMPLEXES  
PRINCIPLES OF PROPORTIONAL CONTROL  
RECYCLING OF CULLET AND FILTER DUST IN THE GERMAN  
SENSOR SYSTEM FOR CONTROLLING THE MIXING STATE OF  
STUDY ON THE HYDROTHERMAL SYNTHESIS OF CLAY MINERAL  
TRACKING FIRING TEMPERATURE IN ROLLER HEARTH KILNS  
TWO YEARS OF LINKMAN OPERATING EXPERIENCE AT  
VOLUME FLOW RATE MEASUREMENT FOR PROCESS CONTROL IN

## CONVERSION

ALUMINUM OXIDE LPCVD SYSTEM  
BORON NITRIDE-CONTAINING MATERIAL AND METHOD THEREOF  
CEMENT TREATED WITH HIGH-PRESSURE CO<sub>2</sub>  
CONVERSION-PREVENTING ADDITIVE FOR HIGH ALUMINA CEMENT  
HIGH-SILICA ZEOLITE SSZ-17 AND METHODS OF MAKING AND  
LITHIUM MANGANESE OXIDE COMPOUND AND METHOD OF  
LOW COST MONOLITHIC GALLIUM ARSENIDE UPONVERTER CHIP  
LOW-TEMPERATURE COFIRE CERAMIC UHF/VHF POWER  
LUMINESCENT CERAMIC COATINGS  
METHOD FOR THE DISSOLUTION AND PURIFICATION OF  
PHOTOELECTRIC CONVERSION ELEMENT HAVING AN INFRARED  
PREPARATION OF AMMONIUM RARE-EARTH DOUBLE OXALATES AND  
PROCESS FOR IMMOBILIZING PLUTONIUM INTO VITREOUS  
PRODUCTION OF ALPHA ALUMINA  
SYNTHESIS OF AN INORGANIC/ORGANIC NETWORK POLYMER BY

## CONVERTERS

CATALYTICALLY ACTIVE CERAMIC MONOLITHS FOR THE  
FLUORESCENT-LAMP EXCITATION CIRCUIT USING A  
IMPROVEMENT IN REFRACTORY OF TOP AND BOTTOM BLOWING  
SUPER DENSE DIRECT BONDED MAGNESIA-CHROME BRICK FOR

## CONVEYING

ADVANCED TECHNOLOGY IN GLASS ANNEALING AND DECORATING  
DEVELOPMENT OF CONVEYOR SYSTEMS IN ENAMELLING WORKS  
FOOT WIPING APPARATUS FOR CERAMIC WARE  
METHOD AND APPARATUS FOR GLAZING CERAMIC WARE  
PROCESS FOR THE MANUFACTURE OF A FLAT GLASS SHEET WITH

## COOKWARE

ACID CORROSION BEHAVIOUR OF LEAD-CONTAINING SILICATE

## COOLING

APPARATUS AND PROCESS FOR FIRING CERAMICS  
APPARATUS FOR LOCALIZED SURFACE GLAZING OF CERAMIC  
APPARATUS FOR SELF-SUFFICIENTLY COOLING  
BAFFLE FOR NO<sub>x</sub> AND NOISE REDUCTION  
CERAMIC SUPERCONDUCTING LEAD RESISTANT TO BREAKAGE  
COOLING CAPACITY OF WATER-AIR MIXTURES IN HARDENING OF  
COOLING METHOD AND MOLD ARRANGEMENT FOR THE  
DETERMINATION OF THE CRITICAL COOLING RATE OF HEAVY  
DEVELOPMENT AND APPLICATION OF A NOVEL REFRACTORY  
DIAMOND-LIKE CARBON COATING FOR MAGNETIC CORES  
EFFECT OF VACUUM COOLING ON THE ELECTRICAL PROPERTIES  
ELECTRIC MELTING DEVICE  
ELECTROCHEMICAL PURIFICATION OF HEAVY METAL FLUORIDE  
EVALUATION OF CRITICAL COOLING RATE FOR  
HIGH-TEMPERATURE SUPERCONDUCTING FAULT CURRENT LIMITER  
METHOD FOR CONDITIONING AND HOMOGENISING A GLASS  
METHOD FOR COOLING A GLASS SHEET  
METHOD FOR FORMING A CERAMIC CIRCUIT SUBSTRATE  
METHOD FOR HEATING AND FORMING A GLASS SHEET  
METHOD FOR MAKING CERAMIC FIBRES FROM A WATER SOLUBLE  
METHOD FOR MAKING LOW DENSITY CERAMIC COMPOSITES  
METHOD OF MAKING FUSED SILICA ARTICLES  
NEW CLUNKER COOLYR INSTALLED AT ALPENA  
PROCESS FOR PREPARING A FERROMAGNETIC MATERIAL  
PROCESS FOR SYNTHESIZING DIAMOND USING COMBUSTION  
PROCESS FOR THE MANUFACTURE OF A FLAT GLASS SHEET WITH  
PROCESSING FOR Bi/Sr/Ca/Cu-O-223 SUPERCONDUCTORS  
PRODUCTION OF BORON OXIDE  
RAISING FOREHEARTH PULL RATE WITH MASS HEAT EXTRACTOR  
SILICON-BASED SLEEVE DEVICES FOR CHEMICAL REACTIONS  
SUPERCONDUCTING FAULT CURRENT LIMITER  
SUPERCONDUCTOR AND METHOD OF MANUFACTURING THE SAME  
U, W, X, Y AND Z-TYPE FERRITES

## COPPER

CERAMIC MULTILAYER WIRING BOARD  
CERAMIC OXIDE CIRCUIT BOARD  
CERAMIC-METAL COMPOSITE STRUCTURE AND PROCESS OF  
COPPER COMPOSITES DIRECTLY BONDED TO CERAMICS

76-07548C  
76-07552C  
76-03185A  
76-03219A  
76-07612C  
76-07617C  
76-03232A  
76-03238A  
76-06197P  
76-06634P  
76-07496P  
76-07789P  
76-07790P  
76-05582P  
76-07655C  
76-03260C  
76-03261C  
76-06720P  
76-07675C  
76-03276A  
76-07867P  
76-07717C

76-08233P  
76-07187A  
76-07199A  
76-08240P  
76-09339A  
76-01420P

76-09598P  
76-00567C  
76-05833A  
76-01388P  
76-01938P  
76-08142A  
76-04883A  
76-04888A  
76-06613P  
76-06618P  
76-01274A  
76-08232P  
76-08183A  
76-08244P  
76-05876A  
76-08186A  
76-01274A  
76-08232P  
76-00652A  
76-01548A  
76-08221A  
76-05027A  
76-03797A

76-08971P  
76-06550P  
76-06979P  
76-05035P  
76-06980P  
76-06618P  
76-05553P  
76-07487P  
76-06822P  
76-06897P  
76-08632P  
76-09089P  
76-03665P  
76-06756P  
76-06525C

76-01673P  
76-01002P  
76-00455C  
76-00535C

76-07182B  
76-08139A  
76-01323P  
76-09660P  
76-02692P

76-04722C

76-06547P  
76-04525P  
76-05910P  
76-03908P  
76-01094P  
76-01095P  
76-03628P  
76-03629P  
76-02595A  
76-03238P  
76-08238P  
76-07191C  
76-02828C  
76-00156P  
76-01018A  
76-03909P  
76-07194C  
76-00248A  
76-05775P  
76-03812P  
76-00311P  
76-04583P  
76-08336P  
76-09038P  
76-06641P  
76-00313P  
76-05008A  
76-08021P  
76-09115P  
76-02692P  
76-05799P  
76-09122P  
76-07230B  
76-04315P  
76-01132P  
76-01134P  
76-04685P

76-00756P  
76-06561P  
76-00154P  
76-05089P

COPPER-CONTAINING ZEOLITE CATALYSTS  
GLASS MATRIX DOPED WITH ACTIVATED LUMINESCENT  
METHOD FOR FABRICATING ELECTRONIC COMPONENTS  
OXIDE SUPERCONDUCTIVE WIRE AND PROCESS FOR  
PREPARATION OF DEVICE QUALITY CuInSe<sub>2</sub> BY SELENIZATION  
PROCESS FOR PRODUCING A STRONG BOND BETWEEN COPPER  
RAMAN SPECTROSCOPY OF COPPER PHOSPHATE GLASSES  
THERMOELECTRIC COUPLE DEVICE  
OXIDE PIEZOELECTRIC CRYSTAL FILM ON SAPPHIRE

## COPPER IRON OXIDE

PHASE EQUILIBRIUM OF THE Cu-Fe-O SYSTEM UNDER Ar, CO<sub>2</sub>

## COPPER OXIDE

1-2-3 SINGLE CRYSTAL OXIDE SUPERCONDUCTOR CONTAINING  
1-2-4 COPPER OXIDE SUPERCONDUCTOR, A PROCESS FOR ITS  
ALTERNATE SYNTHETIC METHOD FOR MIXED METAL OXIDE  
ASSESSMENT OF STRUCTURE AND CRITICAL TEMPERATURE  
BISMUTH INFLUENCE ON THE FORMATION OF Hg-1234 PHASE  
CARBON MONOXIDE/HYDROCARBON THIN FILM SENSOR  
COMPOSITE OF HIGH-TEMPERATURE SUPERCONDUCTIVE BULK  
CONSIDERATION ON H<sub>2</sub> SENSING MECHANISM OF Cu<sub>0.5</sub>SnO<sub>2</sub>  
CONTROL OF THE Na<sub>2</sub>2 SECOND PHASE FOR THE IMPROVEMENT  
COPPER OXIDE SUPERCONDUCTOR, A PROCESS FOR ITS  
DEPENDENCE OF CHARACTERISTIC PROPERTIES OF  
EFFECT OF ANNEALING ON THERMAL AND ELECTRICAL  
ELECTRICAL PROPERTIES OF THE CERAMICS IN THE  
ENHANCEMENT OF THE PISHTAL COFF IN THE  
EPITAXY OF HIGH TC SUPERCONDUCTORS ON SILICON  
GAP ANISOTROPY OF LAYERED COPPERATES IN THE FRAMEWORK OF  
HALL EFFECT MEASUREMENT ON Cu-1234 SUPERCONDUCTORS  
(Hg Cu)<sub>0.8</sub>sub<sub>2</sub> Cu sub<sub>2</sub> Cu sub<sub>3</sub> O<sub>2</sub> OXIDE SUPERCONDUCTOR  
(Hg Cu)<sub>0.8</sub>sub<sub>2</sub> Cu sub<sub>2</sub> Cu sub<sub>3</sub> O<sub>2</sub> OXIDE SUPERCONDUCTOR  
HIGH-TEMPERATURE SUPERCONDUCTOR STAGGERED RESONATOR  
INFLUENCE OF THE SUBSTRATE ON THE STRUCTURAL AND  
INFLUENCE OF THE VARIATION OF THE Hg AND Pb  
KINETIC COEFFICIENTS IN THE HUBBARD MODEL WITH  
LATTICE MATCHING SUPERCONDUCTING MATERIALS  
LOW TRANSPARENCY COPPER OXIDE COATING FOR  
LOW-TC AND HIGH-TC SUPERCONDUCTING DETECTORS FOR HIGH  
MAGNETIC INVESTIGATIONS ON Hg<sub>2</sub> Ba<sub>2</sub> Ca<sub>2</sub> Cu<sub>3</sub> O<sub>7</sub> CERAMICS  
MERCURY SUPERCONDUCTOR CRYSTAL GROWTH UNDER HIGH  
METAL OXIDE 241 SUPERCONDUCTING MATERIALS  
METHOD FOR SYNTHESIS OF HIGH-TEMPERATURE Hg-Ba-Ca-Cu-O  
METHOD OF FABRICATING A (123) Ti-Ba-Ca-Cu-O  
METHOD OF FORMING A SUPERCONDUCTOR MICROSTRIP  
METHOD OF MAKING MULTILAYER DISTORTED-LATTICE  
METHOD OF MANUFACTURING A Cu OXIDE SUPERCONDUCTOR WITH  
METHOD OF MANUFACTURING OXIDE SUPERCONDUCTOR  
METHOD OF PREPARING BISMUTH OXIDE SUPERCONDUCTING WIRE  
METHOD OF PRODUCING CERAMICS SYSTEM SUPERCONDUCTING  
METHOD OF SURFACING A PART MADE OF A SUPERCONDUCTIVE  
MODIFIED CO SURFACE APPROPRIATE FOR SELECTIVE CO GAS  
OPTICAL MANIFESTATION OF STRUCTURAL FEATURES IN  
OPTICAL TEMPERATURE SENSOR USING THERMOCHROMIC  
OXIDE SUPERCONDUCTOR AND METHOD OF PRODUCING SAME  
OXIDE-BASED SUPERCONDUCTOR, A PROCESS FOR PREPARING  
PREPARATION AND ELECTROCHEMICAL OXIDATION OF THIN-FILM  
PREPARATION OF BISMUTH- AND THALLIUM-CONTAINING HTSC  
PREPARATION OF YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> BULK SUPERCONDUCTOR  
RAMAN SPECTROSCOPIC STUDY OF THE La<sub>0.5</sub>Sm<sub>0.5</sub>Ba<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub>  
REACTION AND DIFFUSION PATH OF AN INTERFACE REACTION  
REVERSIBLE AND IRREVERSIBLE PROPERTIES OF ANISOTROPIC  
P-Ti-Sr-Ca-Cu-O SUPERCONDUCTORS AND PROCESSES FOR  
SINGLE CRYSTALLINE BULK OXIDE SUPERCONDUCTOR AND  
SOME NEW ASPECTS OF HIGH-TC SUPERCONDUCTORS: CHEMICAL  
STRUCTURAL CLASSIFICATION OF SUPERCONDUCTING COPRATES  
STUDY ON THE BURNABILITY OF THE PHASE FORMATION OF PC  
SUPERCONDUCTING COMPOUNDING CLASSIFICATION OF  
SUPERCONDUCTING TRANSITION BEHAVIOUR OF  
SUPERCONDUCTIVE CERAMIC COMPOSITE MATERIAL  
SUPERCONDUCTIVE COMPOUNDS AND PROCESS FOR PRODUCING  
SUPERCONDUCTOR AND METHOD OF MANUFACTURING THE SAME  
SUPERCONDUCTOR TAPES AND METHOD OF  
SUPERCONDUCTOR WITH 1212 PHASE OF LaCuO<sub>3-y</sub> PHASES WITH  
SYNTHESIS AND CHARACTERISATION OF LaCuO<sub>3-y</sub> PHASES WITH  
SYNTHESIS OF Bi<sub>1.8</sub>Pb<sub>0.4</sub>Sr<sub>0.2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>x</sub> SUPERCONDUCTOR  
THEORY OF REAL- AND MOMENTUM-SPACE BIPOLOARS  
Ti-DOPED HgBa<sub>2</sub>Cu<sub>3</sub> SUPERCONDUCTORS

## COPPER OXIDES

FRAGMENT APPROXIMATION IN STRUCTURAL CLASSIFICATION OF  
METHOD FOR THE ELECTROCHEMICAL DEPOSITION OF  
(Nd, Ba) sub<sub>3</sub> Cu sub<sub>3</sub> O sub<sub>7-d</sub> SUPERCONDUCTOR FILM  
SELECTIVE INSULATION ETCHING FOR FABRICATING  
SUPERBULK SUPERCONDUCTIVE MATERIAL, A SUPERCONDUCTIVE

## COPRECIPITATION

PROCESSES FOR MAKING POSITIVE ACTIVE MATERIAL FOR  
PROPERTIES OF YBCO OBTAINED BY MODIFIED

## CORDIERITE

CHLORITE AND CHLORITE RICH TALCS IN CORDIERITE  
CONTROLLED PHASE TRANSFORMATIONS BY GLASS PARTICLE  
CORDIERITE CERAMIC FILTER  
CORDIERITE CERAMIC, A PROMISING SUPPORT FOR CELL  
CORDIERITE GLASS-CERAMIC AND METHOD FOR MANUFACTURING  
CORDIERITE HONEYCOMB CERAMICS AND METHOD PRODUCING THE  
DIELECTRIC CERAMIC BODY INCLUDING TiO<sub>2</sub> DISPERSION IN  
EFFECT OF Ni/Sr RATIO ON CRYSTALLISATION OF CORDIERITE  
EFFECTS OF MnO<sub>2</sub> ADDITIVES ON THE THERMAL PROPERTIES OF  
FABRICATION OF MULTIPHASE SOLID SOLUTION CERAMICS  
GREEN DENSITIES OF CORDIERITE PARTICULATE MIXTURES  
INFLUENCE OF ADDITIONAL MECHANICAL ENERGY ON HIGH  
INFLUENCE OF LIQUID MEDIUM ON OSCILLATING SLIDING WEAR  
INFLUENCE OF THE FORMING METHODS ON THE FLEXURAL  
INVESTIGATION OF THE PROCESSING PARAMETERS FOR  
LIGHTWEIGHT TUNNEL KILN CARS - NEW CONCEPTS WITH  
LOW THERMAL EXPANSION CORDIERITE AGGREGATE AND ITS  
PREPARATION OF CORDIERITE GLASS-CERAMICS FROM  
PROCESSABLE ALUMINOSILICATE ALKOXIDE PRECURSORS FROM  
SINTERING AND CRYSTALLISATION OF VOLUME- AND  
SOL-GEL SYNTHESIS OF A MIXTURE FOR PREPARING  
SOME PROPERTIES OF THERMOPLASTIC MIXTURES FOR FORMING  
SYNTHESIS AND FORMATION MECHANISM OF SUBMICROMETER  
SYNTHESIS, CHARACTERISATION AND SINTERING OF SOL-GEL

## CORROSION

ACID CORROSION BEHAVIOUR OF LEAD-CONTAINING SILICATE  
ADHESIVE BONDING OF CARBON AND CERAMIC MATERIALS  
AQUEOUS CORROSION AND THE BIOLOGICAL HAZARD OF  
AUTOMATED FINGER TEST FOR CORROSION  
BEHAVIOUR PREDICTION OF COVERING COATINGS UNDER  
CEMENT ADMIXTURE  
CHARACTERISATION OF CORROSION MECHANISMS IN  
CHARACTERISATION OF SIGMA COATS WITH  
CHEMICAL CORROSION PHENOMENA OF ROOFING TILES  
CORROSION BEHAVIOUR OF STEEL IN HIGH ALUMINA CEMENT  
CORROSION BEHAVIOUR OF WINDOW GLASSES IN WATER  
CORROSION OF HARDENED CEMENT PASTE BY ACETIC ACID AND  
CORROSION OF Mg<sub>0</sub>Al<sub>2</sub>O<sub>4</sub> SPINEL REFRACTORY BRICKS BY

76-04549P  
76-02676P  
76-05093P  
76-08094P  
76-03273A  
76-07050P  
76-07091A  
76-04221P  
76-01011P

76-04343A

76-08075P  
76-03626P  
76-07470P  
76-03505A  
76-03508A  
76-08619P  
76-01096P  
76-07147A  
76-03510A  
76-01098P  
76-03517A  
76-03522A  
76-08082C  
76-03531A  
76-03631P  
76-03542A  
76-03544A  
76-05773P  
76-01101P  
76-05780P  
76-03549A  
76-03550A  
76-03553A  
76-03636P  
76-04578P  
76-03555A  
76-03557A  
76-03562A  
76-08082P  
76-03640P  
76-08085P  
76-01116P  
76-05789P  
76-08087P  
76-08089P  
76-01117P  
76-05791P  
76-01118P  
76-07124A  
76-03578A  
76-08089P  
76-08096P  
76-01122P  
76-05785C  
76-03590A  
76-03593A  
76-03599A  
76-06161A  
76-08082A  
76-03647P  
76-03648P  
76-03604A  
76-03609A  
76-05023P  
76-01129P  
76-03614A  
76-01133P  
76-03652P  
76-01134P  
76-01136P  
76-01137P  
76-03615A  
76-01139P  
76-03618A  
76-01140P

76-03541A  
76-01114P  
76-08092P  
76-08104P  
76-08109P

76-06755P  
76-03597A  
76-01452A  
76-02087P  
76-04082C  
76-02023P  
76-02068P  
76-02781P  
76-07424A  
76-01601A  
76-05846A  
76-06327C  
76-05859C  
76-08256A  
76-05861C  
76-04130C  
76-03891A  
76-06360P  
76-06366P  
76-06368P  
76-06056A  
76-07095A  
76-08583A  
76-01898A  
76-01899A

76-04722C  
76-03668C  
76-04723A  
76-08256B  
76-02231A  
76-05034P  
76-08259C  
76-01733A  
76-08210A  
76-00019A  
76-00243A  
76-00020A  
76-07294A



CORROSION OF MOLYBDENUM ELECTRODES IN LEAD GLASS  
CORROSION OF MULLITE BY MOLTEN SALTS  
CORROSION OF NON-OXIDE CERAMICS  
CORROSION OF REFRACTORIES AT THE BELLBAND OF  
CORROSION OF SILICA AND MULLITE REFRACTORIES USED IN  
CORROSION OF SILICA GLASS BY AQUEOUS SOLUTIONS OF  
CORROSION OF STAINLESS STEEL 304 IN MOLTEN CARBONATES  
CORROSION RESISTANCE OF ALUMINOSILICA CERAMICS TO  
CORROSION STABILITY OF HEAVY STRUCTURAL PRODUCTS  
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CHROME-FREE BRICK  
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CORROSION RESISTANCE OF MgO-TiO2-Al2O3  
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ELECTROCHEMICAL INVESTIGATION OF THE CORROSION  
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CYCLIC FATIGUE CRACK GROWTH IN Y-ALPHA-BETA'-SIALON  
CYCLIC FATIGUE CRACK GROWTH OF SiCw/Y-TZP COMPOSITES  
CYCLIC FATIGUE-CRACK PROPAGATION IN  
FATIGUE CRACK GROWTH BEHAVIOUR OF CRACK GROWTH IN A  
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FATIGUE AND CRACK GROWTH BEHAVIOUR OF ZIRCONIA  
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STABLE CRACK GROWTH IN SiC PARTICLE-DISPERSED Al2O3  
SUBCRITICAL CRACK GROWTH AND THRESHOLDS IN A 3Y-TZP  
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CONTINUOUS FIBRE REINFORCED CERAMIC COMPOSITES FOR  
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CREEP PROPERTIES OF ALUMINA-ZIRCONIA-SILICON CARBIDE  
CREEP AND SHRINKAGE OF Si3N4-ZrO2-NANOCOMPOSITES  
DAMAGE TOLERANCE OF HIGH-TEMPERATURE COMPOSITE SYSTEMS  
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DOPANT DISTRIBUTIONS IN RARE-EARTH-DOPED ALUMINA  
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- ELEVATED TEMPERATURE CREEP AND CYCLIC BEHAVIOUR OF ELEVATED TEMPERATURE DEFORMATION OF FINE-GRAINED ENVIRONMENTAL EFFECTS ON CREEP AND STRESS RUPTURE ESTIMATING TENSILE CREEP RATE OF CERAMICS FROM FLEXURE EXAMINATION OF CREEP BEHAVIOUR AT LOW STRESSES IN FINITE ELEMENT CONTRIBUTIONS TO GLASS MANUFACTURING GRAIN SIZE DEPENDENCY OF THE CREEP RATE IN HOT-PRESSED GRAIN-BOUNDARY SLIDING IN FLUORINE-DOPED SILICON HIGH TEMPERATURE CREEP AND FATIGUE BEHAVIOUR OF HIGH TEMPERATURE CREEP BEHAVIOUR OF C<sub>3</sub>/C<sub>2</sub> COMPOSITES HIGH TEMPERATURE CREEP BEHAVIOUR OF SINGLE CRYSTAL HIGH TEMPERATURE CREEP DEFORMATION OF 15 MOI.% HIGH TEMPERATURE CREEP OF ALUMINA-ZIRCONIA COMPOSITES HIGH TEMPERATURE MECHANICAL BEHAVIOUR OF HIGH TEMPERATURE PROPERTIES OF SILICON HIGH TEMPERATURE TENSILE TESTING OF POLYCRYSTALLINE HIGH-TEMPERATURE CREEP BEHAVIOUR OF Al<sub>2</sub>O<sub>3</sub>-SiC-C HIGH-TEMPERATURE CREEP OF LOW-DIELECTRIC-CONSTANT HIGH-TEMPERATURE DEFORMATION AND FRACTURE PROCESSES IN IMPRESSION CREEP BEHAVIOUR OF SiC PARTICLE-MOSI<sub>2</sub> IMPROVEMENT OF SPALLING RESISTANCE FOR Al<sub>2</sub>O<sub>3</sub>-MgO INFLUENCE OF HEAT TREATMENT ON CREEP BEHAVIOUR OF A INFLUENCE OF SiC PARTICLE SIZE ON CREEP PROPERTIES OF INFLUENCE OF THERMAL TREATMENT ON THE CREEP BEHAVIOUR INFLUENCE OF WEAK VISIBLE LIGHT ON FLUX CREEP IN HTSC INTERACTION BETWEEN DISLOCATIONS AND PRECIPITATED INTERLABORATORY VERIFICATION OF SILICON NITRIDE MECHANICAL BEHAVIOUR OF AN ALUMINA FIBRE REINFORCED MICROSTRUCTURAL STABILITY AND CREEP BEHAVIOUR OF MICROSTRUCTURE AND FLEXURAL CREEP BEHAVIOUR OF SiC MODELS FOR THE THERMOSTRUCTURAL PROPERTIES OF SiC ON THE CREEP BEHAVIOUR OF SiC-YMAS COMPOSITES REACTION-SINTERED AND REACTION-HOT-PRESSED MULLITE REDISTRIBUTION OF A GRAIN-BOUNDARY GLASS PHASE DURING REVERSE CYCLIC FATIGUE OF A HOT ISOSTATICALLY PRESSED ROLE OF GRAIN BOUNDARY SLIDING AND REINFORCEMENT SINTERING AND CREEP BEHAVIOUR OF SiO<sub>2</sub>/Si<sub>3</sub>N<sub>4</sub> COMPOSITES SOLUTION-PRECIPITATION PROCESS IN CREEP AND THEORETICAL MODEL FOR VISCOELASTIC SLIDING OF CREEP RUPTURE
- COMPRESSIVE CREEP AND CREEP FAILURE OF CRISTOBALITE
- NEW MATERIAL WITH A CRISTOBALITE COMPOSITION
- CRITICAL CURRENT DENSITY
- 1-2-4 COPPER OXIDE SUPERCONDUCTOR, A PROCESS FOR ITS CONTROL OF THE H<sub>422</sub> SECOND PHASE FOR THE IMPROVEMENT COPPER OXIDE SUPERCONDUCTOR, A PROCESS FOR ITS CRITICAL CURRENT CALCULATIONS IN HIGH TEMPERATURE LOW-TEMPERATURE (T LOWER THAN 950 C) PREPARATION OF MAGNETIC INVESTIGATIONS ON Hg<sub>2</sub>Ba<sub>2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>y</sub> CERAMICS METHOD OF FABRICATING A (Y<sub>2</sub>O<sub>3</sub>)<sub>2</sub> PINNING OF VORTICES IN HIGH-TEMPERATURE PROCESS OF ANNEALING BSCCO-2223 SUPERCONDUCTORS TI-BASED SUPERCONDUCTIVE MATERIAL, A SUPERCONDUCTIVE TI-DOPED Hg<sub>2</sub>Ba<sub>2</sub>Cu<sub>3</sub>O<sub>y</sub> SUPERCONDUCTORS
- CRITICAL MAGNETIC FIELD
- CRITICAL MAGNETIC FIELD OF ANOMALOUS SUPERCONDUCTORS PAULI PARAMAGNETIC EFFECT AND PARALLEL CRITICAL FIELD
- CRITICAL TEMPERATURE
- (Hg<sub>2</sub>Cu<sub>2</sub>sub<sub>2</sub>Ca<sub>2</sub>sub<sub>2</sub>Cu<sub>3</sub>O<sub>y</sub> OXIDE SUPERCONDUCTOR HIGH-TEMPERATURE SUPERCONDUCTOR INFLUENCE OF THE MAGNETIC FIELD ON THE ELECTROMAGNETIC NEGATIVE U-CURVES AND DEFECT SUPERCONDUCTIVITY ON CORRELATION BETWEEN THE T<sub>C</sub> VALUE AND CONDUCTION OXIDE SUPERCONDUCTOR AND METHOD FOR PRODUCING THE SAME PROCESS FOR FORMING OXIDE SUPERCONDUCTING FILMS WITH A SOME POSSIBLE EFFECTS OF PERIODIC PINNING IN HIGH T<sub>C</sub> THERMAL POWER MAPPING OF SUPERCONDUCTING COPRATES
- CRYOLITE
- RECENT DEVELOPMENT IN REFRACTORIES FOR ALUMINIUM CELLS WETTABILITY AND REACTIVITY OF SILICA-ALUMINA
- CRYSTALLISATION
- METHOD FOR PRODUCING CATALYST-GRADE Al<sub>2</sub>O<sub>3</sub> FROM CRYSTAL
- CHARACTERISATION OF BaO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> (BAS) GELS DURING MANGANESE OXIDE-ZIRCONIUM OXIDE SOLID SOLUTIONS, AN MONOCRYSTALLINE DIAMOND SEMICONDUCTOR DEVICE AND SYNTHESIS OF MELT-QUENCHED Bi<sub>1</sub>Tb<sub>0.35</sub>Se<sub>2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>10+y</sub>
- CRYSTAL GROWTH
- APPARATUS FOR GROWING SiC CRYSTALS CRYSTAL GROWTH AND ELECTRICAL PROPERTIES OF Li<sub>2</sub>BaO<sub>7</sub> CRYSTAL GROWTH AND PHASE TRANSITION OF PIEZOELECTRIC CRYSTAL GROWTH AND THERMIONIC EMISSION PROPERTIES OF CRYSTAL GROWTH OF ALPHA-Fe<sub>2</sub>O<sub>3</sub> IN CHLORINE ATMOSPHERE DETERMINATION OF THE NUCLEATION AND CRYSTAL GROWTH EFFECT OF STARTING COMPONENTS ON THE GROWTH OF EFFECT OF TEMPERATURE GRADIENT IN THE SOLUTION ON GROWTH OF WHISKERED ZrO<sub>2</sub> CRYSTALS BY HYDROTHERMAL LARGE SIZE CRYSTAL GROWTH FOR BETA-LEAD FLUORIDE MACROSEGREGATION OF Y<sub>2</sub>Ba<sub>2</sub>Cu<sub>3</sub>O<sub>10</sub> PARTICLES IN MERCURY SUPERCONDUCTOR CRYSTAL GROWTH UNDER HIGH MORPHOLOGICAL FORMS OF TOBERMORITE IN HYDROTHERMALLY NEW ROUTE TO STUDY FLUORINATION OF HIGH-T<sub>C</sub> NONMAGNETIC SINGLE CRYSTAL Mn-Zn FERRITE FOR FLOATING NOMEL METHOD FOR ZIRCONIUM OXIDE SYNTHESIS FROM NUCLEATION AND CRYSTAL GROWTH OF ANALCIME FROM CLEAR PERITECTIC SOLIDIFICATION MODEL FOR Y-SYSTEM POLARISED LIGHT MICROSTRUCTURE ANALYSIS OF PREPARATION AND GAS PERMEATION PROPERTIES OF PROCESS OF FORMING OXIDE SUPERCONDUCTOR POSSESSING RELATION BETWEEN THE UNDERCOOLING AND THE GROWTH RATE RELATIONSHIP BETWEEN GROWTH RATE AND UNDERCOOLING IN SINGLE CRYSTAL GROWTH AND ELECTRICAL PROPERTIES OF SINGLE CRYSTALS OF CERAMIC SUPERCONDUCTORS SINGLE-CRYSTAL K<sub>2</sub>(ZnY<sub>2</sub>Ti<sub>8</sub>-p)O<sub>16</sub> PRIDERITES: GROWTH AND STUDY ON THE PHOTO DAMAGE OF THE LITHIUM TANTALATE SYNTHESIS AND THE PHYSICAL PROPERTIES OF THE SINGLE TITANIUM DISULPHIDE THIN FILM PREPARED BY PLASMA-CVD WETTING BEHAVIOUR OF Ba<sub>2</sub>B<sub>2</sub>O<sub>4</sub> ON SUBSTRATES USING THE Zn DOPING IN YBCO SINGLE CRYSTAL BY THE SOLUTE-RICH CRYSTAL STRUCTURE
- 15-NMR STUDIES OF KYNYTRIDE CERAMICS AND GLASSES 17O NMR INVESTIGATION OF HAFNIA AND TETRACALCIUM 19F NUCLEAR MAGNETIC RESONANCE STUDY OF NATURAL CLAYS 29Si AND 17O NMR INVESTIGATION OF THE STRUCTURE OF 2H NMR STUDY OF HYDROGEN BONDING IN DEUTERATED ANOMALOUS SPECIFIC HEAT AND OTHER PROPERTIES OF AQUEOUS SOL-GEL SYNTHESIS OF ZIRCON: STRUCTURAL ART OF SIMPLIFICATION IN MATERIALS SCIENCE ASPECTS OF S<sup>2+</sup>SYNTHESIS, STRUCTURE AND MAGNETISM OF BaAl<sub>11</sub>5.4O<sub>17</sub>.11N0.80: A NEW OXYNITRIDE WITH THE BALL MILLING OF BARIUM FERRITE IN AIR AND VACUUM BARIUM TITANATE-ADDED LEAD NICKEL NIOBATE BEYOND THE TOLERANCE FACTOR: HARNESSING X-RAY AND
- 76-04769C  
76-00095A  
76-06003C  
76-04771A  
76-04773A  
76-02644A  
76-06232A  
76-06874A  
76-09234C  
76-04783A  
76-04119A  
76-08506C  
76-05235A  
76-08507C  
76-09236C  
76-08280C  
76-02670A  
76-05139A  
76-06234A  
76-04788A  
76-05264A  
76-06237A  
76-06847A  
76-08684C  
76-03551A  
76-06134A  
76-06285A  
76-04793C  
76-03990A  
76-04806A  
76-06032  
76-04815C  
76-02571C  
76-08718A  
76-06264A  
76-02303A  
76-06519A  
76-06726C  
76-09273A  
76-08651A  
76-06035A  
76-03626P  
76-03510A  
76-01098P  
76-03512A  
76-03635P  
76-03557A  
76-04795P  
76-03584A  
76-08101P  
76-08109P  
76-01140P  
76-03514A  
76-03581A  
76-05773P  
76-08081P  
76-03548A  
76-03635P  
76-03576A  
76-08095P  
76-05796P  
76-03605A  
76-06810P  
76-02929C  
76-02959C  
76-09048P  
76-01910A  
76-01627A  
76-00857P  
76-01088A  
76-08233P  
76-08155A  
76-07895A  
76-06218A  
76-04085A  
76-05128A  
76-05651A  
76-08036A  
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76-03600A  
76-06850A  
76-00970A  
76-08105P  
76-05444A  
76-03440A  
76-06850A  
76-03112A  
76-06183A  
76-03625A  
76-06799C  
76-08339A  
76-01433A  
76-00015A  
76-01434A  
76-03150A  
76-08202C  
76-08804A  
76-01907A  
76-02202A  
76-03672A  
76-07874A  
76-06256C
- BISMUTH OXIDE SUPERCONDUCTOR AND METHOD OF PREPARING BORON FOR ALUMINIUM SUBSTITUTION IN THE KAISGOS CARBON NITRIDE FILMS PREPARED BY ION IMPLANTATION CERAMIC PIGMENTS BASED ON CALCIUM-MAGNESIUM SILICATES CHARACTERISATION, CONDUCTIVITY AND MECHANICAL CHARACTERISATION OF CaO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> GLASSES BY COMPARATIVE STUDY OF PREPARATION OF CERAMIC BODIES FOR CHEMICAL PREPARATION OF RELAXOR COMPOUNDS CONTAINING CHEMISTRY AND MICROWAVE PROPERTIES OF Bi<sub>2</sub>O<sub>3</sub> DOPED COMMENT ON 'DIFFRACTION METHOD DETECTION OF LOCAL CONCEPT OF LAYERED INTERPHASES IN SiC/SiC CONDUCTIVITY AND PHASE STABILITY OF BISMUTH OXIDE COOL COATINGS CRYSTAL CHEMISTRY AND DIELECTRIC PROPERTIES OF CRYSTAL PHASE AND PHONON DENSITIES OF STATES OF CRYSTAL STRUCTURE AND CHARACTERISATION OF CRYSTAL STRUCTURE AND DIELECTRIC PROPERTIES OF CRYSTAL STRUCTURE, ELECTRON SPECTRUM, AND CRYSTAL STRUCTURE OF LANTHANUM OXYFLUORIDE CRYSTAL STRUCTURE OF MELAMINE DIBORATE CRYSTAL STRUCTURE, PHASE RELATIONSHIP AND OXYGEN DEPENDENCE OF THE PROPERTIES OF TITANIUM-PILLARED DESCRIPTION AND CLASSIFICATION OF URANIUM OXIDE DETECTION OF THE CARRIER PROTONS IN SrCe<sub>1-x</sub>Yb<sub>x</sub>O<sub>3</sub>-DELTA DETERMINATION OF THE RANGE OF LATTICE DISTORTION IN DETERMINATION OF THE STRUCTURE OF Ba-Ln-Ti-O DIELECTRIC AND ORDERING BEHAVIOUR IN PbxCa<sub>1-x</sub>TiO<sub>3</sub> DIELECTRIC CERAMIC COMPOSITION DIELECTRIC PROPERTIES OF TiO<sub>2</sub>-Nb<sub>2</sub>O<sub>5</sub> CRYSTALLOGRAPHIC DIELECTRIC PROPERTIES OF (Pb<sub>1-x</sub>Nb<sub>x</sub>)(Zr<sub>1-y</sub>Sn<sub>y</sub>)O<sub>3</sub> DIELECTRIC RELAXATION BEHAVIOR AND A-SITE ORDERING DIFFERENCE IN THE MODIFICATION EFFECTS OF Li ON TWO DIFFERENTIATION BETWEEN PSEUDOCUBIC AND CUBIC PHASES DISLOCATION DAMPING IN SAPPHIRE, Al<sub>2</sub>O<sub>3</sub> POLYCRYSTAL AND DOMAIN STRUCTURE-SECOND HARMONIC GENERATION DUREX ALPHA-BETA-SIALON CERAMICS STABILISED BY EARLY STAGES IN MECHANOCHEMICAL ACTIVATION OF EFFECT OF CATION OR ANION SUBSTITUTION ON LHM4504 EFFECT OF Fe DIFFUSION ON STRUCTURAL AND EFFECT OF ISOVALENT AND HETEROVALENT SUBSTITUTED IONS EFFECT OF Ln<sub>2</sub> (Ln = Y, La, Gd and Yb) ON THE EFFECT OF PROCESSING PARAMETERS ON THE EFFECT OF RARE EARTH ION DOPANTS ON THE GRAIN SIZE OF EFFECT OF RARE EARTH IONS ON THE STRUCTURAL PARAMETERS EFFECT OF STRUCTURAL DEFECTS FORMED IN ALLOYING OF EFFECT OF THE REAL STRUCTURE OF HAEMATITE ON THE EFFECT OF ACIDITY ON THE HYDROTHERMAL SYNTHESIS OF EFFECTS OF DOPANTS AND OXYGEN VACANCIES ON THE EFFECTS OF MICROSTRUCTURE AND COMPOSITION ON THE CURIE ELECTRODES COMPRISING CONDUCTIVE PEROVSKITE-SEED ELECTRON PARAMAGNETIC RESONANCE INVESTIGATION OF EPR STUDIES OF SOME Mn-Zn FERRITES EQUILIBRIUM SHAPE OF INTERNAL CAVITIES IN SAPPHIRE EVIDENCE OF NEW LAYERED CUPRATES IN THE Hg-A-Gd-Cu-O EXAFS STUDY OF PRESSURE-AMORPHISED GdO<sub>2</sub> EXPERIMENTAL TRANSFORMATION OF KAOLINITE TO HALLOYSITE FORMATION AND ANISOTROPY IN ELECTRIC CONDUCTIVITY FORMATION AND DIELECTRIC PROPERTIES OF FORMATION OF EXPANDABLE MICA FROM TALC USING THE FORMATION OF NEW COMPOUNDS LnAl<sub>2</sub>O<sub>9</sub> IN THE Ln<sub>2</sub>O<sub>3</sub>.Al<sub>2</sub>O<sub>3</sub> FORMATION OF YTTRIUM ALUMINIUM GARNET SOLID SOLUTION FORMATION REACTION AND CRYSTAL STRUCTURE OF THE GLASS-CERAMIC FOR INFORMATION-RECORDING DISK GELATIN RELATIVE OF B<sub>2</sub>C<sub>2</sub> GROWTH OF CUBIC GaN BY MBE AND ITS PROPERTIES HAFNIA COLLOIDAL SOLUTION FROM HYDROTHERMAL SYNTHESIS HIGH TEMPERATURE CREEP BEHAVIOUR OF SINGLE CRYSTAL HIGH-TEMPERATURE, HIGH-PRESSURE X-RAY INVESTIGATION OF HIGH-TEMPERATURE IONIC CONDUCTION IN MULTICOMPONENT HYDROTHERMAL CONVERSION OF AMORPHOUS NiFe<sub>2</sub>-xAl<sub>x</sub>(OH)<sub>3</sub> HYDROTHERMAL SYNTHESIS AND CHARACTERISATION OF HYDROTHERMAL SYNTHESIS OF PbTiO<sub>3</sub> POWDERS HYDROTHERMAL MODEL FOR STRUCTURAL TRANSFORMATIONS OF INFLUENCE OF Al<sub>2</sub>O<sub>3</sub> BUFFER LAYER ON THE CRYSTALLINE INFLUENCE OF STRUCTURAL DEFECTS ON THE DIELECTRIC INFRARED SPECTROSCOPY IN CHARACTERISATION OF INTERACTION OF OXIDES IN THE ZnO-Nb<sub>2</sub>O<sub>5</sub> SYSTEM INTERCALATION CHEMISTRY OF ION-EXCHANGEABLE LAYERED INTERRELATED FEATURES OF STRUCTURE AND STACKING OF INVESTIGATION OF COLOUR GENERATION MECHANISM IN INVESTIGATION OF THE CHEMICAL SYNTHESIS AND INVESTIGATION OF THE DRYING TEMPERATURE DEPENDENCE OF INVESTIGATIONS ON THE CHARGE TRANSPORT IN LiMnO<sub>3</sub>-DELTA INVESTIGATIONS ON THE SYNTHESIS AND STRUCTURAL ISOMORPHIC SUBSTITUTION OF MAGNESIUM CATIONS BY KAOLINITE MONTHMORILLONITE RESEMBLES BEIDELITE KINETICS OF ANORTHITE GROWTH FROM DIFFERENT AMORPHOUS Li<sub>2</sub>Cu<sub>1-x</sub>Al<sub>x</sub>O<sub>4-y</sub> AND NbCu<sub>1-x</sub>Al<sub>x</sub>O<sub>4-y</sub> SOLID SOLUTIONS LAYERED PEROVSKITE - STRUCTURAL CLASSIFICATION LAYERED STRUCTURES OF HYDRATED VANADIUM OXIDES, PT<sub>5</sub> LITHIUM ION CONDUCTIVITY OF A-SITE DEFICIENT Li<sub>1-x</sub>La<sub>x</sub>CuO<sub>4</sub> PLUS OR MINUS y, Li<sub>1-x</sub>Nb<sub>x</sub>CuO<sub>4</sub> PLUS OR MINUS y LOW-TEMPERATURE CHEMICAL SYNTHESIS OF LANTHANUM LOW-TEMPERATURE SYNTHESIS AND ELECTROCHEMICAL LITHIUM LUMINESCENCE CHARACTERISTICS OF EUROPIUM ACTIVATED MAGNETIC PROPERTIES OF Ni-Zn FERRITES DOPED WITH Ti<sup>4+</sup> MAGNETIC PROPERTIES OF Sr<sub>0.75</sub>Hf<sub>0.25</sub>P<sub>2</sub>F<sub>12</sub> HEXAFERRITE MAGNETIC RECORDING POWDER HAVING LOW CURIE TEMPERATURE MAGNETISATION OF LITHIATED HAEMATITE, LiH<sub>2</sub>FeO<sub>4</sub> MEASUREMENTS OF THE ELECTRICAL PROPERTIES OF MECHANOCHEMICAL SYNTHESIS OF DISPERSED COMPOSITES WITH MICROSTRUCTURE OF CALCIUM SILICATE HYDRATE (C-S-H) GELS METHOD FOR FORMING HIGH-T<sub>C</sub> SUPERCONDUCTING DEVICES METHOD FOR THE SOLID-STATE SYNTHESIS OF TETRACALCIUM METHOD OF FORMING A SUPERCONDUCTOR MICROSTRIP METHOD OF PRODUCING CERAMICS SYSTEM SUPERCONDUCTING MICROSTRUCTURAL ANALYSIS OF CORROSION MECHANISMS IN MICROSTRUCTURAL DEVELOPMENT OF BaTiO<sub>3</sub> POWDERS MICROSTRUCTURE AND DIELECTRIC PROPERTIES OF MICROWAVE DIELECTRIC CERAMICS IN THE SYSTEM MILD SYNTHESIS OF A Cu<sub>2</sub>S<sub>2</sub>/Ca<sub>2</sub>Cu<sub>2</sub>O<sub>2</sub> SUPERCONDUCTOR MIXED OXIDE HIGH INDEX OPTICAL COATING MATERIAL AND MODERN HIGH-DEGREE OF PURITY OF LANTHANUM CARBONATE PARTICLES PREPARED MULLITE PHASE IN REFRACTORIES, A SIMPLE METHOD FOR ITS NEUTRON DIFFRACTION STUDY OF STRUCTURAL DISTORTIONS IN NEW ASPECTS OF THE TETRAGONAL PHASE FORMATION IN THE NEW GALLIUM-SUBSTITUTED HYDROTALCITES (Mg<sup>1+</sup>
- 76-09169A  
76-08077A  
76-08455A  
76-02203A  
76-07364A  
76-07408A  
76-07057A  
76-08491A  
76-05639C  
76-00799C  
76-02206A  
76-09544A  
76-07414A  
76-07881C  
76-09170A  
76-01818A  
76-09171A  
76-06839C  
76-03041C  
76-06835A  
76-03364A  
76-04241A  
76-07849C  
76-00439A  
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76-03515A  
76-09172A  
76-06801A  
76-07045A  
76-08359A  
76-08111A  
76-07422C  
76-01739A  
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76-03368A  
76-07890C  
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76-08473A  
76-02265A  
76-03371A  
76-06862C  
76-05989A  
76-01825A  
76-01056A  
76-01014A  
76-05132A  
76-07057A  
76-07567A  
76-03376A  
76-04099A  
76-01016A  
76-05712A  
76-00686C  
76-03381A  
76-03126P  
76-07908A  
76-05712A  
76-08488A  
76-05525A  
76-04106A  
76-08370A  
76-07057A  
76-07913C  
76-03956A  
76-04326A  
76-06850C  
76-03947A  
76-02272P  
76-06233  
76-07594C  
76-04117A  
76-06899C  
76-09955A  
76-07437A  
76-08376A  
76-08513A  
76-07918A  
76-01482A  
76-07922A  
76-00704C  
76-01489A  
76-08520A  
76-00929C  
76-03974A  
76-05141A  
76-06448A  
76-07530A  
76-05724A  
76-05218A  
76-04132A  
76-01495A  
76-06138C  
76-05759A  
76-00932A  
76-04133A  
76-03073C  
76-08047A  
76-07835A  
76-06795A  
76-04136A  
76-08004A  
76-03477C  
76-01042P  
76-08005A  
76-03078C  
76-05416A  
76-08830A  
76-00047A  
76-06369P  
76-08840A  
76-01633A  
76-02906A  
76-09182A  
76-06149C  
76-06374A

- NEW HIGH THERMAL CONDUCTIVITY CERAMICS  
NEW MATERIALS HARDER THAN DIAMOND - CARBON NITRIDE  
NEW MODIFICATION OF SILICON OBTAINED UNDER THE EFFECT  
NEW TERNARY NITRIDE IN THE Ti-Al-N SYSTEM  
Ni FERRITE AND CORE MADE OF Ni FERRITE FOR POWER  
Ni-Zn FERRITE SPINEL CHARACTERISATION AND EVALUATION  
(NZP), Na<sub>2</sub>P<sub>2</sub>O<sub>7</sub> TYPE MATERIALS FOR PROTECTION OF  
ON THE CRYSTALLOGRAPHIC STRUCTURE AND SOME RELATED  
ON THE EFFECT OF Cd DOPING AND C<sub>60</sub>-La CODOPING IN  
ORIENTATION CONTROL AND LASER-BEAM-ASSISTED  
ORIGIN OF DISLOCATION LOOPS IN ALPHA-SILICON NITRIDE  
ORIGIN OF THE PHI PLUS OR MINUS 9 DEGREE PEAKS IN  
OXYGEN RANDOM WALK IN OXIDE LATTICE  
PEROVSKITE-TYPE BaTiO<sub>3</sub> CERAMICS CONTAINING PARTICULATE  
PHASE COMPOSITION AND DISTRIBUTION OF METAL CATALYST  
PHASE RELATIONS IN THE PERICLASE CONTAINING REGIONS OF  
PHASE RELATIONSHIPS AND PHYSICAL PROPERTIES OF  
PHASE STABILITY AREA OF Ca-ALPHA-SIALON  
PHASE TRANSFORMATIONS IN THE TERNARY SYSTEMS  
PHOTOLUMINESCENCE STUDY OF THE YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> COMPOSITE  
PHYSICO-CHEMICAL PROPERTIES OF HETEROPOLYPHOSPHATE-TiH  
PHYSICO-CHEMICAL PROPERTIES OF (Bi<sub>1-x</sub>Pb<sub>x</sub>)<sub>1-y</sub>VO<sub>4</sub> (x =  
POLYTYPE STRUCTURES IN LEAD-CALCIUM TITANATE CERAMICS  
POLYTYPES AND STACKING FAULTS OF SiC  
PrBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> REDUCTION WITH n-BUTYL-LITHIUM  
PRECIPITATION OF HYDROXYAPATITE UNDER ST  
PREDICTION OF GLASS FORMING REGION IN THE Sm-Si-Al-O-N  
PREPARATION AND CHARACTERISATION OF PEROVSKITE-TYPE  
PREPARATION AND CHARACTERISATION OF TWO DISTINCT  
PREPARATION AND STRUCTURAL INVESTIGATION OF  
PREPARATION AND STRUCTURE OF Ba<sub>0.8</sub>Mg<sub>0.2</sub>STa<sub>2</sub>O<sub>3</sub> THIN  
PREPARATION CONDITIONS AND SUBSTITUTION INFLUENCE ON  
PREPARATION OF ATOM THIN FILMS BY DC MAGNETRON  
PREPARATION OF LEAD ZIRCONATE TITANATE THIN FILMS BY  
PREPARATION, STRUCTURAL CHARACTERISTICS AND CATALYTIC  
PROCESS FOR MANUFACTURING THIN FILMS BY NITROGEN  
PROCESS FOR PRODUCING CERMET CUTTING TOOLS HAVING BOTH  
PROCESSING AND PROPERTIES OF ALUMINIUM NITRIDE  
PULSED LASER ABLATION-DEPOSITION OF La<sub>0.55</sub>Co<sub>0.45</sub>O<sub>3</sub> FOR  
PURE BARIUM TITANATE CERAMICS: CRYSTALLINE STRUCTURE  
PUTTING METAL IONS INTO FULLERENE CAGES  
RAMAN SCATTERING STUDY ON LOCAL STRUCTURES OF Te<sub>4</sub> AND  
RAMAN SPECTROSCOPIC INVESTIGATIONS OF THE STRUCTURE OF  
RAMAN STUDY OF THE RELATIONSHIP BETWEEN  
REACTION KINETICS, SINTERING CHARACTERISTICS, AND  
  
REACTIVITY OF STARTING MATERIALS IN THE BaO-A2O3-AIN  
REPRODUCTION OF PRESSURE-INDUCED STRUCTURAL  
RESEARCH OF AN OPTIMUM COMPOSITION FOR INCREASING THE  
REVIEW: SILICON NITRIDE CRYSTAL STRUCTURE AND  
SECTIONAL FERRITE CORE CONSTRUCTION FOR MECHANICAL  
SHORT-RANGE ORDER IN SOLID SOLUTIONS OF NITROGEN IN  
SHORT-RANGE STRUCTURAL ANALYSIS OF AN OXIDE GLASS  
Si-Si(N,C) A NEW CERAMIC MATERIAL FOR HIGH PERFORMANCE  
Si<sub>3</sub>N<sub>4</sub> AND Si<sub>3</sub>N<sub>4</sub>/C NANOCOMPOSITE POWDERS - PLASMA  
SIGMAS (210)/(001) SYMMETRIC TILT GRAIN BOUNDARY IN  
SINGLE-CRYSTAL K<sub>2</sub>Zn<sub>2</sub>Ti<sub>2</sub>O<sub>7</sub> PHOSPHATES: GROWTH AND  
SINGLE-CRYSTAL STRUCTURE REFINEMENT OF FOUR COMPOUNDS  
SINGLE-CRYSTAL X-RAY STRUCTURE ANALYSIS OF  
SIZE AND CHARGE EFFECTS OF DOPANT M ON THE UNIT-CELL  
SOL-GEL AND MICROWAVE PROCESSING OF MULLITE  
SOLID SOLUTION Ba<sub>1-x</sub>Ca<sub>x</sub>PO<sub>4</sub> (x LESS THAN OR EQUAL TO  
SOLID SOLUTIONS WITH RUTILE STRUCTURE: ELECTRONIC  
SOLID-STATE NMR CHARACTERISATION OF BETA-SIALONS FROM  
SPECIAL FEATURES OF STRUCTURE FORMATION AND ATOMICITY  
STABILISATION OF Ba<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> WITH THE K2NIF4 STRUCTURE  
STRAINOMETRY, STRUCTURES AND POLYMORPHISM OF  
STRAIN PROFILES IN He-IMPLANTED WAVELENGTH LAYERS OF  
STRUCTURAL ANALYSES AND PROPERTIES OF Ti<sub>1-x</sub>Al<sub>x</sub>N FILMS  
STRUCTURAL AND DIELECTRIC PROPERTIES OF COMPLEX PLT  
STRUCTURAL AND DIELECTRIC PROPERTIES OF COMPLEX PLT  
STRUCTURAL AND DIELECTRIC PROPERTIES OF COMPLEX PLT  
STRUCTURAL AND DIELECTRIC STUDY OF THE  
STRUCTURAL AND MAGNETIC INVESTIGATION OF  
STRUCTURAL CHEMISTRY OF SrMn<sub>1-x</sub>Fe<sub>x</sub>O<sub>3</sub>-DELTA, x  
STRUCTURAL ORDER IN Ba<sub>2</sub>(Zn<sub>1/3</sub>Ta<sub>2/3</sub>)O<sub>3</sub>, Ba<sub>2</sub>(Zn<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3</sub>  
STRUCTURAL STABILISATION AND ELECTRICAL PROPERTIES  
STRUCTURAL STABILITY OF STRONTIUM BARIUM NIOBATE  
STRUCTURE AND CONDUCTIVITY OF La-Ni-Co-OXIDES  
STRUCTURE AND MAGNETOTRANSPORT PROPERTIES OF THE  
STRUCTURE AND MICROWAVE DIELECTRIC PROPERTIES OF  
STRUCTURE AND PROPERTIES OF LTO<sub>2</sub> TYPE SOLID  
STRUCTURE AND PROPERTIES OF REFRACTORY BASED ON  
STRUCTURE AND QUANTUM CHEMISTRY STUDIES OF  
STRUCTURE CHANGE IN STRONTIUM OXIDE-DOPED DICALCIUM  
STRUCTURE REFINEMENT OF CALCIUM SULPHALUMINATE, CaAS  
STUDIES OF THERMAL TREATMENT ON FINE POWDERS OF BaTiO<sub>3</sub>  
STUDY OF THE ORDER DISORDER TRANSITION IN  
STUDY ON MINERALOGICAL AND PHYSICAL CHANGES IN USED  
STUDY ON SELECTED PROPERTIES OF La<sub>1-x</sub>Sr<sub>x</sub>CoO<sub>3</sub> AND ITS  
STUDY ON THE STRUCTURE AND REDUCTION BEHAVIOUR OF THE  
SUPERCONDUCTING DEVICE HAVING AN EXTREMELY THIN  
SUPERCONDUCTING DEVICE HAVING A SUPERCONDUCTING  
SUPERCONDUCTING OXYCARBONATES  
SUPERCONDUCTIVITY IN (Ti,Pb)S<sub>2</sub>(Ca,Cr)Cu<sub>2</sub>O<sub>7</sub> AND  
SUPERSTRUCTURE IN LiTiNb<sub>2</sub>O<sub>7</sub> OXIDES  
SURFACE AND STRUCTURE CHARACTERISATION OF SOME  
SYNCHROTRON X-RAY STUDY OF INTERSTITIAL OXYGEN  
SYNTHESIS AND CHARACTERISATION OF MOLECULAR SIEVE WITH  
SYNTHESIS AND CHARACTERISATION OF A SHOCK-SYNTHESISED  
SYNTHESIS AND SOLID SOLUTION IN CERAMIC  
SYNTHESIS AND SOME ADSORPTION CHARACTERISTICS OF  
SYNTHESIS AND STRUCTURE OF GLASSES IN THE SYSTEM  
SYNTHESIS AND THE PHYSICAL PROPERTIES OF THE SINGLE  
SYNTHESIS, STRUCTURAL CHARACTERISATION AND  
SYNTHESIS, STRUCTURE AND LUMINESCENCE OF NEW  
SYNTHESIS, X-RAY DIFFRACTION AND SOLID-STATE 31P MAGIC  
THERMOGRAVIMETRIC STUDY OF MANGANESE DOXIDE OXIDES  
TIME-DEPENDENT STRUCTURAL MODIFICATIONS IN TiN OXIDE  
TiO<sub>2</sub> POROUS MATERIALS OBTAINED FROM DIFFERENT  
TRANSITION-METAL OXIDE PILLARED CLAYS, Pt<sub>2</sub> A  
TRANSMISSION ELECTRON MICROSCOPIC INVESTIGATIONS ON  
TRIGONAL ORDERED STRUCTURE IN TITANIUM CARBONITRIDE  
TWO PHASE CO-EXISTENCE IN YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> DELTA  
UNIT-CELL SYMMETRIES AND RAMAN SPECTRA OF CALCIUM- AND  
USE OF CITRO-GYPSUM IN HIGH GRADE CALCIUM SULPHATE  
USE OF SUCCINIC ACID IN CALCIUM-SULPHATE  
WATER-RESISTANT PRECURSOR IN A WET PROCESS FOR TiO<sub>2</sub>  
WHY DOES HALLOYSITE ROLL? A NEW MODEL  
X-RAY ABSORPTION SPECTROSCOPY OF R<sub>2</sub>BaCuO<sub>5</sub> (R = La, Nd)  
X-RAY AND DIELECTRIC STUDIES OF Pb<sub>4</sub>Ca<sub>0.1</sub>Ga<sub>0.9</sub>O<sub>11</sub>  
X-RAY, INFRARED AND MAGNETIC STUDIES OF CHROMIUM  
X-RAY, INFRARED AND MAGNETIC STUDIES OF CHROMIUM  
X-RAY, INFRARED AND MAGNETIC STUDIES OF CHROMIUM  
CRYSTAL GROWTH  
ANISOTROPY OF CRYSTALLITE GROWTH DURING SINTERING OF  
CRYSTALLINITY
- 76-08702C  
76-08252A  
76-05880A  
76-08704A  
76-05745P  
76-05725A  
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76-07949C  
76-08052A  
76-00947A  
76-04751A  
76-03579A  
76-04702A  
76-03416A  
76-05919A  
76-06308C  
76-01075A  
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76-05784A  
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76-01011A  
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76-03755C  
76-04486A  
76-07964C  
76-06261A  
76-08050A  
76-05146A  
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76-08053A  
76-03484A  
76-07975A  
76-00213A  
76-07976C  
76-07464C  
76-05686A  
76-00737C  
76-07977A  
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76-00064A  
76-03439A  
76-00738A  
76-02948C  
76-06316A  
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76-01084A  
76-01086A  
76-05688C  
76-06172C  
76-05768A  
76-08594A  
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76-01654A  
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76-08850A  
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76-05465A  
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76-00746A  
76-06093C  
76-06093C  
76-08966A  
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76-01092A  
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76-03489A  
76-03601C  
  
76-01574A
- ABRASIVE GRAM  
APPARATUS FOR MAKING CRYSTALLISED GLASS  
CHARACTERISATION OF SOLUTION DERIVED RuO<sub>2</sub> ELECTRODES  
CRYSTALLINE ALUMINOSILICATE, PROCESS FOR PRODUCING THE  
CRYSTALLINE GLAZES  
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- 76-02396P  
76-03906P  
76-05638A  
76-08988P  
76-02979A  
76-08990P  
76-08949P  
76-03681A  
76-04976A  
76-01051A  
76-03936A  
76-08918P  
76-09011P  
76-06610P  
76-04457A  
76-09018P  
76-06627P  
76-06643P  
76-05121P  
76-02146P  
76-02149P  
76-02168A  
76-08119P  
76-04650P  
76-09110P  
76-04048A  
76-04632P  
  
76-08339A  
76-01156A  
76-07248P  
76-02812C  
76-02168A  
76-06563P  
76-07056A  
76-05125A  
76-05101A  
76-03917A  
76-05170A  
76-00187A  
76-03932A  
76-00190A  
76-01903A  
76-02596A  
76-01590A  
76-07059A  
76-07060A  
76-03942A  
76-08565A  
76-05103A  
76-08358A  
76-07188A  
76-03982A  
76-05104A  
76-08120A  
76-02546A  
76-01454A  
76-03682A  
76-05171A  
76-08991P  
76-02207A  
76-00191A  
76-01189C  
76-04086A  
76-00193A  
76-01182C  
76-05105A  
76-07189C  
76-05127A  
76-02547A  
76-04093A  
76-00197A  
76-07424C  
76-00198A  
76-02599C  
76-06409A  
76-01830A  
76-00900A  
76-00199A  
76-06595P  
76-04441A  
76-03471C  
76-06593C  
76-05112A  
76-05257A  
76-00280A  
76-07071C  
76-07204C  
76-00234A  
76-05110A  
76-03552A  
76-01620A  
76-03395A  
76-05112A  
76-06138C  
76-03399A  
76-04135A  
76-00231P  
76-05569P  
76-02121P  
76-00206A  
76-08537A  
76-08779A  
76-03573A  
76-02560A  
76-07216A  
76-07084C  
76-05883C  
76-00209A  
76-07149C  
76-05318A  
76-06154A  
76-03590A  
76-06499A  
76-07224A  
76-08566A  
76-07965A  
76-03429A  
76-06066C  
76-06288P  
76-04023A  
76-07095A  
76-07241C  
76-07168A



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- 76-00634C  
76-07395A  
76-02575A  
76-01654A  
76-03105A  
76-06053C  
76-04297A  
76-07713C  
76-03486C  
76-08595A  
76-08595A  
76-03488C  
76-04354A  
76-01563A  
76-07178A  
76-08611A  
76-02581A  
76-09144P  
76-00771P  
76-09145P  
76-02041P  
76-06549P  
76-06558P  
76-07473P  
76-01817A  
76-01051A  
76-04554P  
76-07577C  
76-07588C  
76-03543C  
76-08605C  
76-01478A  
76-03214A  
76-03725A  
76-06360P  
76-01043P  
76-06890P  
76-08531C  
76-09081P  
76-06390A  
76-06305A  
76-04342C  
76-04217P  
76-01900P  
76-09106P  
76-03648P  
76-08105P  
76-02178P  
76-08585C  
76-04350A  
76-02184P  
76-04342C  
76-08606C  
76-01663A  
76-06979P  
76-02605A  
76-00451A  
76-05197P  
76-04598P  
76-06661P  
76-09075P  
76-05342C  
76-03168C  
76-03193C  
76-07587C  
76-03205C  
76-07775P  
76-05574A  
76-07790P  
76-07709C  
76-03295A  
76-02044P  
76-01315P  
76-08234P  
76-06555P  
76-04206P  
76-06557P  
76-01324P  
76-06917C  
76-08570A  
76-04605P  
76-06670P  
76-00182P  
76-03822P  
76-08225A  
76-06922P  
76-08674A  
76-08917P  
76-04957P  
76-04863A  
76-02488C  
76-00155P  
76-05926P  
76-00010P  
76-04959P  
76-01321P  
76-07039P  
76-06838P  
76-02070P  
76-06996A  
76-02073P  
76-01186A  
76-03805P  
76-04368A  
76-04705A  
76-09222C  
76-04960P  
76-06283P  
76-02394A  
76-09006P  
76-02397P  
76-06284P  
76-02083P  
76-06916A  
76-08678A  
76-01227C  
76-06917C  
76-06285P
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- DAMPING**  
LASER SYSTEM FOR LASER ABLATION PROCESS AND LASER  
METHOD AND APPARATUS FOR DAMPING MECHANICAL VIBRATION
- DEBANDING**  
DEBANDING AND SINTERING DEFECTS FROM PARTICLE  
FREE FREE GROWN BODIES  
NEW BINDER SYSTEM FOR CERAMIC INJECTION MOULDING  
OPTIMISATION OF INJECTION MOULDING PROCESS FOR SILICON  
PROCESS FOR IMPROVING THE DEBANDING RATE OF CERAMIC  
THERMAL DEBANDING OF INJECTION MOULDED CERAMICS  
WATER-BASED SYSTEM FOR CERAMIC INJECTION MOULDING
- DECOMPOSITION**  
ALUMINIUM OXIDE LPCVD SYSTEM  
COMBUSTION ACCELERATORS, PROCESSES FOR THEIR  
DECOMPOSITION OF 5m ALPHA-SILICON PHASES DURING  
FORMATION OF THIN-FILM PATTERNS OF A METAL OXIDE  
JOINING CERAMICS AND ATTACHING FASTENERS TO CERAMICS  
NITROUS OXIDE DECOMPOSITION USING A SOLID OXIDE  
PROCESS FOR PRODUCING FINE METAL OXIDE PARTICLES  
PROCESS FOR THE PREPARATION OF METAL NITRIDE COATINGS  
SYNTHESIS OF BETA-SIC WHISKERS BY  
UPPER-PHASE STABILITY LIMIT OF B-2212
- DECORATION**  
ADVANCED TECHNOLOGY IN GLASS ANNEALING AND DECORATING  
AESTHETIC EFFECTS OBTAINED BY DECORATING SOLUBLE SALTS  
BRICK SCULPTURE SCORES  
CERAMIC DECORATION BY MEANS OF A GRAPHIC ENGRAVING  
CERAMIC DECORATION BY FOUR COLOUR PROCESS  
CERAMIC DECORATION USING THE FOUR-COLOUR PROCESS  
COLOURS, PIGMENTS AND DECORATION  
COUNTERMEASURES FOR LEAD RELEASE FROM JAPANESE COLOURS  
DECORATING AIDS  
DECORATING PORCELAIN WARE WITH PRECIOUS AND  
DECORATIVE COATINGS FOR UTENSILS  
DECORATORS CAUGHT IN BALANCING ACT OF MERGERS AND  
DEVELOPMENT OF LEADLESS FRIT GLAZE FOR BONE CHINA  
EFFECT OF SILK SCREEN PRINTING PARAMETERS ON THE  
ENVIRONMENTALLY BENEFICIAL DECORATION FOR FAST FIRING  
FIRING OF DECORATIONS ON WHITEWARES  
FOCUS ON FINISH  
HISTORY OF SPRAYED DECORATION ON CERAMICS UP TO 1930  
HOT STAMPING GLASS  
IF YOU BELIEVE WHAT YOU HEAR ABOUT SALT GLAZING AND  
IMPROVING DURABILITY OF GOLD DECORATION  
INNOVATIVE TECHNIQUES FOR OBTAINING HIGH-LEVEL  
LEAD: SOME OF THE ANSWERS TO SOME OF THE QUESTIONS  
MEDIUM FOR CHINA PAINTS FOR PORCELAIN, CERAMIC, AND  
METHOD OF DECORATING A SURFACE  
MODEL FOR LEACHING OF LEAD FROM COLOUR USED IN  
MURAI POTENTIAL FOR GROWTH IN SRI LANKA  
NEW TRENDS OF FAST-FIRED CERAMIC TILE GLAZING AND  
PACKAGING 2000: A LOOK AT THE FUTURE OF GLASS  
PORCELAIN TILE: AESTHETIC EFFECTS WITH MULTIPLE  
POTTERY AND PIGMENTS IN ARIZONA: SALADO POLYCHROME  
PROCESS AND AGENT FOR THE PRODUCTION OF PURPLE  
PROCESS FOR MANUFACTURING NATURAL STONE-TYPE  
REDUCTION OF LEAD LEACHING FROM ON-GLAZE DECORATION BY  
REDUCTION OF LEAD RELEASE FROM OVERGLAZE COLOUR  
ROTOGRAVURE TAKES CERAMICS BY STORM  
SILK-SCREEN PRINTING ON PRESSED CERAMICS  
TILE APPLICATION  
TRANSFER PAPER: A HIDDEN TECHNOLOGY  
ULTRAVIOLET DRYING IN CERAMIC DECORATION TECHNOLOGY  
UNIFORM STATE LAW TO EXEMPT DECORATED GLASS OR CERAMIC  
UV CURABLE MEDIA FOR SILK SCREEN DECALS
- DETECT CHEMISTRY**  
ALUMINIUM NITRIDE DEFECT CHEMISTRY DEPENDENCE ON  
CONCENTRATION AND TRANSPORT OF PROTONS AND OXYGEN  
ELECTRICALLY ACTIVE GRAIN BOUNDARIES: DEFECTS AND  
ELECTRONIC CONDUCTIVITY AND IONIC DOMAIN OF T2P:  
GRAIN BOUNDARY MOBILITY IN Y2O3: DEFECT MECHANISM AND  
GRAIN GROWTH IN CeO<sub>2</sub>: DOPANT DEFECTS, DEFECT  
INVESTIGATION OF SnO<sub>2</sub> DEFECT CHEMISTRY IN RELATION
- 76-02504A  
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76-06938P  
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76-02509C  
76-07047P  
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76-04867P  
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76-06727P  
76-02538P  
76-06939P  
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76-03119P  
76-05911P  
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76-07619C  
76-03233A  
76-07774P  
76-06362P  
76-07813P  
76-07813P  
76-07860C  
76-03276A  
76-05748P  
76-07833P  
76-08292P  
76-01330P  
76-01108P  
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76-00585A  
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76-02678P  
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76-06067A  
76-02998C  
76-07380A  
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76-01241P  
76-07384A  
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76-03007A  
76-00286A  
76-03011A  
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76-00652C  
76-04224A  
76-03015A  
76-09150C  
76-07431C  
76-01607A  
76-01608A  
76-03069C

- PHOTONIC CONDUCTION IN  $\text{Sr}1-y(\text{Zr}1-x\text{Oy})\text{O}3\text{-}\Delta$   
SUPEROXIDATION AND ELECTROCHEMICAL REACTIONS DURING  
DETECT STRUCTURE
- CHARACTERISATION OF  $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$  THIN FILMS  
COMPARATIVE STUDY OF DEFECT STRUCTURES IN BARIUM  
COMPARISON OF OBSERVED AND CALCULATED STRUCTURES OF  
DEBANDING AND SINTERING DEFECTS FROM PARTICLE  
EFFECTS OF A-SITE AND B-SITE CATIONIC ON STRUCTURAL  
FACETING, DISLOCATION NETWORK STRUCTURE, AND VARIOUS  
HIGH RESOLUTION TRANSMISSION ELECTRON MICROSCOPY STUDY  
INVERSION DOMAIN BOUNDARIES IN  $\text{ZrO}_2$  CERAMICS  
INVESTIGATION OF SILICON POWDERS AND SINTERED MATERIALS  
LOCAL STRUCTURE, THERMAL STABILITY AND OPTICAL  
MULTIFREQUENCY EPR SPECTROSCOPY AND MNDO CALCULATIONS  
NATURE OF THE DEFECTIVE STRUCTURE ALPHA-SILICON  
NEUTRON RADIATION EFFECTS ON PLZT AND PSN CERAMICS  
NEW CANDIDATE FOR THE SOLID OXIDE FUEL CELL CATHODE  
NONSTOICHIOMETRY OF ZIRCONIA  
OXYGEN NONSTOICHIOMETRY AND DEFECTS IN Mn-DOPED  
OXYGENATION AND DEFECT GENERATION PROCESSES IN  
PREPARATION AND GAS PERMEATION PROPERTIES OF  
PRODUCTION OF DEFECT-POOR NANOSTRUCTURED CERAMICS OF  
SUBSTITUTED BARIUM-NEODYMIUM-TITANIUM PEROVSKITE  
TRANSMISSION ELECTRON MICROSCOPY OBSERVATION AND  
TRANSMISSION ELECTRON MICROSCOPY STUDY OF THE  
DEFECTS
- APPARATUS AND METHOD FOR INSPECTING HOT GLASS  
BOUND EXCITON ENERGIES, BIAXIAL STRAINS, AND DEFECT  
BUBBLE ORIGIN AND IDENTIFYING THEIR SOURCES IN  
CASE STUDY OF THE PERFORMANCE AND REPAIR OF A MASONRY  
CCD SOLID STATE IMAGE DEVICE WHICH HAS A SEMICONDUCTOR  
CERAMIC COATING NON DESTRUCTIVE QUALITY CONTROL BY  
CHARACTERISATION AND ENGINEERING OF THE ANTIMONY  
CHARACTERISATION OF DEFECT EVOLUTION DURING SINTERING  
CHARACTERISATION OF RECOMBINATION CENTRES IN n-TYPE  
CORRELATION OF BIAXIAL STRAINS, BOUND EXCITON  
DEFECT REDUCTION IN THE GROWTH OF GROUP III NITRIDES  
DEFECT STATE ASSISTED TUNNELLING IN INTERMEDIATE  
DEFECT TRANSITIONS IN GaN BETWEEN 3.0 AND 3.4 eV  
DENSITY GRADIENT EVOLUTION DURING DRY PRESSING  
DISTRIBUTION OF NON-PLANAR ZONES ON RIBBONS OF  
EFFECT OF STOICHIOMETRY ON DEFECT DISTRIBUTION IN  
EFFECT OF STRUCTURAL DEFECTS AND CHEMICAL IMPURITIES  
EFFECTS OF MOULDING PRESSURE ON SINK-MARK DEFECTS OF  
ELECTRON PARAMAGNETIC RESONANCE STUDY OF  
EPR STUDY OF DEFECTS INDUCED IN 6H-SiC BY ION  
ETCHING OF (0001) HABIT FACES AND MATCHED CLEAVAGES OF  
FORMATION MECHANISM OF THE DEFECTS AROUND  $\text{YBaCuO}_5$   
GRIND-MACHINING METHOD OF CERAMIC MATERIALS  
HEXAGONAL GROWTH HILLOCKS IN GaN EPILAYERS  
INFLUENCE OF STRUCTURAL DEFECTS ON THE DIELECTRIC  
INFLUENCE OF SURFACE DEFECTS ON THE CHARACTERISTICS OF  
INVERSION DOMAIN BOUNDARIES IN GaN GROWN ON SAPPHIRE  
INVESTIGATION OF VACANCIES IN GaN BY POSITRON  
ION IMPLANTATION AND ANNEALING STUDIES IN III-V  
ISOELECTRONIC HYDROGEN-RELATED DEFECTS IN SILICON  
LOCOS TECHNOLOGY WITH REDUCED JUNCTION LEAKAGE  
MACROSCOPIC DEFECTS OBSERVED IN REINFORCED BRICKWORK  
MESOSTRUCTURAL DEFECTS AND MECHANICAL PROPERTIES OF  
METHOD AND APPARATUS FOR WAFER LEVEL PREDICTION OF  
METHOD FOR DETECTING A DEFECT IN A GLASS-CERAMIC FOR  
METHOD OF FABRICATING VERTICAL-TYPE DOUBLE DIFFUSED  
METHOD OF MANUFACTURING A CERAMIC ELECTRONIC PART  
METHOD OF MONITORING AND CONTROLLING A SILICON NITRIDE  
MULTIPHOTON EXCITATION STUDIES ON GaN WITH PS PULSES  
NANOPIPES AND INVERSION DOMAINS IN HIGH-QUALITY GaN  
NANOTUBES IN GaN  
NEGATIVE U-CENTERS AND DEFECT SUPERCONDUCTIVITY  
NON-DESTRUCTIVE TECHNIQUES APPLIED TO THE DETECTION OF  
PARTICLE CONTACT BEFORE FIRING  
PHARMACEUTICAL BONE GROWTH PROMOTING COMPOSITION AND  
PLAUSIBLE ROLE OF POINT DEFECTS IN THE SOLID-STATE  
POSITRON CHARACTERISATION OF DEFECTS FORMED DURING  
PRACTICAL EXPERIENCES WITH SOME PRINCIPLES PERTINENT  
PROCESSING FOR  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{223}$  SUPERCONDUCTORS  
SMALL-SIGNAL DEEP-LEVEL TRANSIENT SPECTROSCOPY AS A  
SPIN RESONANCE ANALYSIS OF GaN AND ALGaN  
STRUCTURE, ELECTRONIC PROPERTIES AND DEFECTS OF GaN  
TEST METHOD FOR IN-LINE IDENTIFICATION OF DEFECTIVE  
THEORY OF POINT DEFECTS AND INTERFACES  
VISUAL DOCUMENTATION AND ANALYSIS OF GLAZE DEFECTS  
YELLOW LUMINESCENCE AND ASSOCIATED OXIDATION IN MOVPE GaN:  
ZERO DEFECT QUALITY THROUGH MACHINE VISION
- DEFLOCCULANTS
- DEFLOCCULANT EFFECTS ON PLASTER MOLD CHARACTERISTICS  
SLIP CASTING ALUMINA WITH Na-CMC
- DEFLOCCULATION
- ADVANCED ORGANIC BINDER SYSTEMS FOR WHITEWARES  
INFLUENCE OF WASTE WATERS, RECOVERY MUDS AND EXHAUSTED  
DEFORMATION
- BEHAVIOUR IN THE FRICTION SURFACE OF CERAMICS  
COMPRESSION DEFORMATION OF CLAY GREEN BODY FOR  
COMPUTER-MODELLED DEFORMATION MECHANISM MAPS FOR HOT  
CREEP BEHAVIOUR OF A 0-90 DEGREE SiC-MAS COMPOSITE  
CREEP DEFORMATION OF CERAMIC MATRIX COMPOSITES  
CREEP PROPERTIES OF ALUMINA/ZIRCONIA/SILICON CARBIDE  
DEFORMATION BEHAVIOUR OF GREEN SANITARYWARE PRODUCTS  
DEFORMATION CAPABILITY AND PROTECTIVE ROLE OF ZIRCONIA  
DEFORMATION IN SiCN-SiCN WHISKER AND Al<sub>2</sub>O<sub>3</sub>-SiC  
DEFORMATION OF BASALT FIBRE MATERIALS  
DEFORMATION OF CO-CONTINUOUS ALUMINA-ALUMINUM  
DEFORMATION OF PVB FILMS IN PRESSING OF TRIPLEX GLASS  
DEFORMATION OF SEMIDRY MIXTURES PREPARED IN AN  
EFFECT OF DIE MATERIAL IN MOULDING EQUIPMENT ON  
EFFECTIVE USE OF MASONRY REINFORCEMENT FOR CRACK  
ELASTIC-PLASTIC BEHAVIOUR IN MATERIALS LOADED WITH A  
EVALUATION OF MECHANICAL PROPERTIES OF MASONRY  
GLASS BULB FOR A CATHODE RAY AND A METHOD OF PRODUCING  
GRAIN SIZE DEPENDENCY OF THE CREEP RATE IN HOT-PRESSED  
HIGH-TEMPERATURE DEFORMATION AND FRACTURE PROCESSES IN  
HIGH-TEMPERATURE DEFORMATION OF CORDIERITE  
INFLUENCE OF MORTAR TYPE ON THE LONG TERM DEFORMATION  
INK DROPLET JET DEVICE HAVING SEGMENTED PIEZOELECTRIC  
MAGNETIC DISK DRIVE CAPABLE OF REDUCING DISTORTIONS OF  
MATHEMATICAL MODEL FOR THE STRUCTURAL STRENGTH OF  
MECHANISM OF PLASTICITY IN CLAY-WATER SYSTEMS  
METHOD FOR BONDING OF A CERAMIC BODY AND A METALLIC  
METHOD OF PRODUCING OXIDE SUPERCONDUCTOR  
MICROPROCESSES OF PLASTIC DEFORMATION OF  $\text{ZrO}_2\text{-Y}_2\text{O}_3$   
MICROSTRUCTURE CHARACTERISATION SUPERPLASTICALLY  
MODELLING THE ELASTIC-PLASTIC DEFORMATION OF AL<sub>2</sub>O<sub>3</sub>  
NEAR-SURFACE DEFORMATION IN AN ALUMINA-SILICON  
NUMERICAL ANALYSIS OF STRESS AND DISPLACEMENT OF  
ON THE CREEP BEHAVIOUR OF SiC-YMAS COMPOSITES  
PLASTIC DEFORMATION AT HIGH TEMPERATURES OF
- 76-00729A  
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76-02033A

## DENSITY

ADDITIONS USED IN THE PRESSING OF TABLEWARE  
APPARATUS AND PROCESS FOR FIRING CERAMIC  
CERAMIC FIBRES, AND METHODS, MACHINES, AND  
CHARACTERISATION OF DIE-PRESSED GREEN COMPACTS  
COMPOSITE CERAMIC MATERIALS WITH SIC FIBRE  
COMPOSITE MATERIALS BASED ON BORON CARBIDE, TITANIUM  
CORRECTIONS TO THE CALCULATION OF BULK ELECTRON  
CORRELATION BETWEEN MICROSTRUCTURE, PHASE  
CRYSTAL STRUCTURE AND CHARACTERISATION OF  
DEFECT REDUCTION IN THE GROWTH OF GROUP III NITRIDES  
DENSE, SELF-SINTERED SIC/CARBON GRAPHITE COMPOSITE  
DENSELY SINTERED, TABULAR PARTS OF ALUMINUM  
DENSIIFICATION OF CERAMIC NANOMETRE-SIZED POWDERS BY  
DRILL BIT HAVING IMPROVED CUTTING STRUCTURE WITH  
EFFECT OF BINDERS ON GRANULATED, GREEN AND SINTERED  
EFFECT OF CHARACTERISTICS OF COMPRESSIVE DEFORMATION  
EFFECTS OF SOLID LOADINGS ON SLIP-CAST DENSITY  
ELECTRICAL CONDUCTIVITY OF HOLLANDITE-TYPE  
ENGINEERING OF PARTICLE INTERACTIONS IN WET PROCESSING  
FAST FIRING: SINTERING UNDER HIGH THERMAL GRADIENTS  
HEAT-RESISTANT AND HIGH-STRENGTH CERAMICS BASED ON THE  
HIGH GLOSS DURABLE TiO<sub>2</sub> PIGMENT  
HIGH POWER CAPACITOR  
HIGH-DENSITY INTEGRATED ULTRASONIC PHASED ARRAY  
HIGH-TEMPERATURE RESISTANT SILICON NITRIDE CERAMIC  
HOLLOW BOROSILICATE MICROSPHERES AND METHOD OF MAKING  
IMPROVED LINING FOR ALUMINA PRODUCTION FURNACE  
INDIUM DROPLET FORMATION ON THE  $\text{InGa}_{1-x}\text{In}_x$  FILMS  
INFLUENCE OF PORE STRUCTURE IN GREEN COMPACTS ON THE  
INK JET PRINTER HEAD WITH INK CHANNEL PROTECTIVE FILM  
ION SPUTTERING TARGET  
LIGHTWEIGHT SiO<sub>2</sub> BALLS WITH A DENSE OUTER LAYER AND  
LIQUID PHASE SINTERED SILICON CARBIDE: PRODUCTION  
LOW DENSITY Si<sub>3</sub>N<sub>4</sub>-CONTAINING BEADS, AGGREGATES  
LOW-DENSITY RESIN IMPREGNATED CERAMIC ARTICLE AND  
MANGANESE OXIDES PRODUCTION THEREOF, AND USE THEREOF  
MESOSTRUCTURAL DEFECTS AND MECHANICAL PROPERTIES OF  
METALLIZED ALUMINUM NITRIDE ON STRATE  
METHOD FOR DRYING AND SINTERING AN OPTICAL FIBRE  
METHOD FOR FABRICATING LAMELLAR PIEZOELECTRIC PREFORM  
METHOD FOR FORMING A DIAMOND-COATED FIELD Emitter AND  
METHOD FOR MAKING AN ABRASIVE ARTICLE  
METHOD FOR MAKING LOW DENSITY CERAMIC COMPOSITES  
METHOD FOR PRODUCING HIGH DENSITY SINTERED SILICON  
METHOD FOR PRODUCING HIGH DENSITY SINTERED SILICON  
METHOD OF FABRICATING PLT PIEZOELECTRIC CERAMICS  
METHOD OF FABRICATING A SELF-ALIGNED CONTACT TRENCH  
METHOD OF MANUFACTURING MULTILAYER CERAMIC  
METHOD OF PRODUCING A LAMINATED ELECTRONIC DEVICE  
MOULDING CONTAINING SiO<sub>2</sub> AEROGEL PARTICLES AND THEIR  
OXYGEN ION-CONDUCTING DENSE CERAMIC  
PACKING DENSITY FOR FLASH MEMORIES BY USING A PAD  
PARAMAGNETIC MEISSNER EFFECT OF TIME REVERSAL NON-  
PHASE-SEPARATED, NONCRYSTALLINE OPAL GLASSES  
POROSIFIERS FOR THE PRODUCTION OF LIGHTWEIGHT BRICKS  
POROSIFYING AGENTS FOR THE PRODUCTION OF LIGHTWEIGHT  
PREPARATION AND CHARACTERISATION OF GLASS-FREE SILICON  
PREPARATION OF HIGH DENSITY BORON CARBIDE CERAMICS  
PREPARATION OF SOLID AGGREGATES OF HIGH-DENSITY BORON  
PROCESS FOR MANUFACTURE OF SiO<sub>2</sub> GRANULES  
PROCESS FOR PREPARING SINTERED TITANIUM NITRIDE  
PROCESS FOR PRODUCING FINE FLAKY ALUMINA PARTICLES AND  
PROCESS FOR PRODUCING A SINTERED CERAMIC BODY  
PROCESS FOR THE PRODUCTION OF COMPOSITE SYSTEMS HAVING  
PRODUCTION METHOD OF SINTERED SILICON NITRIDE  
PROPERTIES OF YBCO OBTAINED BY MODIFIED  
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76-09034P  
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76-07761P  
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76-03324P  
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76-04599P  
76-02682P  
76-09059P  
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 EFFECT OF STARTING COMPONENTS ON THE GROWTH OF  
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 EFFECTS OF ADDITIVES ON MICROWAVE CHARACTERISTICS OF  
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 EFFECTS OF DOPANTS AND OXYGEN VACANCIES ON THE  
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 ELECTRICAL AND OPTICAL PROPERTIES OF FERROELECTRIC  
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 ELECTRICAL PROPERTIES AND MICROSTRUCTURE OF  
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 GRAIN SIZE, DIELECTRIC PROPERTIES AND IMPEDANCE  
 HIGH FREQUENCY FATIGUE TESTING OF FERROELECTRIC THIN  
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 INFLUENCE OF THE POLING FIELD ON THE ELECTROCHEMICAL  
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 MICROSTRUCTURE AND MICROWAVE DIELECTRIC PROPERTIES OF  
 MICROSTRUCTURE AND PROPERTIES OF AIN CERAMICS  
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 MICROWAVE DIELECTRIC PROPERTIES OF  
 MICROWAVE DIELECTRIC RESONATORS BASED ON  
 MICROWAVE TECHNIQUES FOR MEASURING COMPLEX  
 MORPHOLOGY AND DIELECTRIC PROPERTIES OF REACTIVELY  
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 NEUTRON RADIATION EFFECTS ON PLZT AND PSN CERAMICS  
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 NEW HIGH DIELECTRIC STRENGTH MATERIALS:  
 NUMERICAL SIMULATION OF ELECTRICAL CHARACTERISTICS OF  
 OIL-RELATED DEFECTS/CONTAMINANTS FOR TAPE CASTING SLIPS  
 OPTICAL DIELECTRIC RESPONSE OF GALLIUM NITRIDE STUDIED  
 OPTICAL SIGNATURE OF THE GaN (10 MINUS 1) 0 100  
 ORIENTED BISMUTH TITANATE SOL-GEL FILMS FOR NDR  
 PATTERN FORMATION IN ELECTROCHEMICAL FLUIDS: THE  
 PHOSPHOR DOPED BaTiO<sub>3</sub> MICROSTRUCTURE DEVELOPMENT AND  
 PHYSICAL PROPERTIES OF POLYCRYSTALLINE CUBIC BORON  
 PREPARATION AND CHARACTERISATION OF PLZT THIN FILMS BY  
 PREPARATION CONDITIONS AND SUBSTITUTION INFLUENCE ON  
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 PREPARATION OF FERROELECTRIC PLZT THIN FILM BY SOL-GEL  
 PREPARATION OF LEAD NIOBATE BY SEMI-WET ROUTE  
 PREPARATION OF LEAD ZIRCONATE TITANATE THIN FILMS BY  
 PREPARATION OF STABILISED Pb(Zn<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3</sub> (PZN) FILMS  
 PROCESSING AND PROPERTIES OF  
 PROCESSING AND SINTERING OF Ca<sub>0.4</sub>Bi<sub>0.6</sub>PO<sub>4</sub> POWDERS FOR  
 PROPERTIES OF POROUS PIEZOELECTRIC CERAMICS  
 PURE BARIUM TITANATE CERAMICS: CRYSTALLINE STRUCTURE  
 PYROCHLORE BASED OXIDES WITH HIGH DIELECTRIC CONSTANT  
 PYROELECTRIC PROPERTIES OF  
 RAMAN STUDY OF THE RELATIONSHIP BETWEEN  
 REACTIVE PZT PRECURSOR POWDER BY COPRECIPITATION

76-05367A  
 76-03048A  
 76-06320A  
 76-05871C  
 76-05129A  
 76-00892A  
 76-00022A  
 76-01741A  
 76-05221C  
 76-01862A  
 76-03049A  
 76-03368A  
 76-05130A  
 76-00817A  
 76-00893A  
 76-07890C  
 76-08818C  
 76-03369A  
 76-03370A  
 76-07891A  
 76-07892C  
 76-05995A  
 76-05643A  
 76-03896A  
 76-07893A  
 76-05645A  
 76-05645A  
 76-05646A  
 76-05257A  
 76-00897A  
 76-03372C  
 76-07895A  
 76-03373A  
 76-07898A  
 76-03374C  
 76-05648A  
 76-05649A  
 76-00683A  
 76-07899A  
 76-03375A  
 76-03375A  
 76-03377A  
 76-05651A  
 76-05378A  
 76-03379C  
 76-03379C  
 76-05652A  
 76-03380A  
 76-00686C  
 76-05653C  
 76-07123C  
 76-02601A  
 76-03384C  
 76-07304C  
 76-03385C  
 76-02603A  
 76-07309C  
 76-04405P  
 76-07433A  
 76-07310A  
 76-07311A  
 76-05656C  
 76-07313C  
 76-05657A  
 76-07315A  
 76-08273C  
 76-05491P  
 76-07436C  
 76-03064A  
 76-07322A  
 76-03382A  
 76-03392C  
 76-00704C  
 76-03394C  
 76-03475C  
 76-07323C  
 76-01621A  
 76-03399A  
 76-00934A  
 76-03074C  
 76-03400A  
 76-09026P  
 76-07446A  
 76-00709A  
 76-03401A  
 76-03131C  
 76-01703P  
 76-07506P  
 76-02443A  
 76-05673A  
 76-07309A  
 76-06247A  
 76-03405A  
 76-07391C  
 76-03406A  
 76-05674A  
 76-00711C  
 76-07641C  
 76-05597P  
 76-07944C  
 76-03405A  
 76-00717A  
 76-05424A  
 76-00720C  
 76-03739A  
 76-07660C  
 76-07662C  
 76-03414C  
 76-06152A  
 76-07950C  
 76-00711A  
 76-05678A  
 76-06494A  
 76-00958A  
 76-00960A  
 76-05681A  
 76-07958A  
 76-03424C  
 76-03425C  
 76-07962C  
 76-07963C  
 76-07964C  
 76-07523P  
 76-00964A  
 76-03430A  
 76-07966A

RELATIONSHIP BETWEEN THE MICROSTRUCTURE AND MICROWAVE  
 RELIABILITY STUDY OF CERAMIC MULTILAYER CAPACITORS  
 RESISTIVITY AND PERMITTIVITY OF COMPOSITE  
 ROLE OF Bi<sub>2</sub>O<sub>3</sub> IN OPTIMISING THE DIELECTRIC PROPERTIES  
 ROLE OF THE ADDITION OF Pb<sub>0.1</sub>Hf<sub>0.1</sub>W<sub>0.2</sub>O<sub>3</sub> IN THE  
 SILICON-ON-DIAMOND CIRCUIT STRUCTURE  
 SINTERING AND DIELECTRIC PROPERTIES OF FERROELECTRIC  
 SINTERING OF MULLITE BASED PARTICULATE COMPOSITES  
 SINTERING OF MULTILAYER PREPARED THROUGH TWO ROUTES  
 SINTERING OF PZT CERAMICS FROM HYDROTHERMALLY  
 SINTERING TEMPERATURE AND DIELECTRIC CONSTANT OF  
 SOL-GEL SYNTHESIS OF A DIEPOXY-CROSSLINKED ORMOCER  
 STOICHIOMETRIC DEPENDENCE OF THE AGEING PHENOMENA IN  
 STRENGTH DISTRIBUTION OF TITANIA CERAMICS AFTER  
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 STRUCTURAL AND DIELECTRIC PROPERTIES OF COMPLEX PLZT  
 STRUCTURAL AND DIELECTRIC PROPERTIES OF  
 STRUCTURAL AND DIELECTRIC STUDY OF THE  
 STRUCTURAL AND DIELECTRIC PROPERTIES OF STRONTIUM NIOBATE  
 STRUCTURE AND PROPERTIES OF LiTaO<sub>3</sub> TYPE SOLID  
 STUDIES ON Mn-DOPED BARIUM NIOBATE/DIETRIC  
 STUDY OF AMORPHOUS Ta<sub>2</sub>O<sub>5</sub> THIN FILMS BY DC MAGNETRON  
 STUDY OF DIELECTRIC AND ELECTRICAL PROPERTIES OF  
 SURFACEMECHANICAL REACTIONS DURING  
 SYNTHESIS AND CHARACTERISATION OF DIELECTRIC  
 SYNTHESIS AND CHARACTERISATION OF LEAD MAGNESIUM  
 SYNTHESIS, CHARACTERISATION, AND PROPERTIES OF  
 SYNTHESIS OF INORGANIC-ORGANIC HYBRIDS FROM METAL  
 SYNTHESIS OF OXYGEN CONDUCTING POWDER BY SOLVENT  
 SYNTHESIS OF PYROCHLORE-FREE 0.9 Pb(Mg<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3</sub>-0.1  
 TAPE CASTING OF PIEZOELECTRIC MATERIALS BASED ON PZT  
 ULTRASONIC AND DIELECTRIC CHARACTERISATION OF  
 ULTRASONIC DIELECTRIC BEHAVIOUR OF Ni-Zn FERRITES IN THE  
 VACUANCY EFFECTS ON DIELECTRIC PROPERTIES OF  
 VARIATIONS OF INTERFACE POTENTIAL BARRIER HEIGHT AND  
 VOLTAGE-CONTROLLED CAPACITOR FOR WIDE-BAND TUNING  
 WET FORMING, SINTERING BEHAVIOUR, AND DIELECTRIC  
 X-RAY AND DIELECTRIC STUDIES OF Pb<sub>0.4</sub>Sn<sub>0.6</sub>1.0Ge<sub>0.1</sub>

## DIES

METHOD OF MAKING A CERAMIC DIE

## DIESEL ENGINES

COMPOSITION AND PROCESS FOR FORMING DIESEL ENGINE

## DIFFUSION

CO<sub>2</sub> REDUCTION IN THE MOLTEN 62/38 MOLE% Li/K CARBONATE

CONTACT METAL DIFFUSION BARRIER FOR SEMICONDUCTOR

CONTACT-FREE CMOS PROCESS

DIFFUSION BEHAVIOUR OF Cr<sub>2</sub>O<sub>3</sub> IN SINTERED MAGNESIA WITH

DIFFUSION IN NON-OXIDE CERAMICS

DIFFUSION OF Er<sub>3+</sub> IN POROUS SOL-GEL GLASSDIFFUSION OF IMPLANTED ZINC IN GaAs AND Al<sub>x</sub>Ga<sub>1-x</sub>As

DIFFUSION OF OXYGEN IN THE PRESENCE OF HYDROGEN

DOPING OF 3C-Si BY IMPLANTATION OF NITROGEN AT HIGH

EFFECT OF Cu-IMPLANTED JOINING INTERFACE ON OXYGEN

ELECTRICALLY ACTIVE GRAIN BOUNDARIES: DEFECTS AND

ENHANCED DIFFUSION IN SAPPHIRE DURING MICROWAVE

EXPERIMENTAL STUDY OF DIFFUSION OF METALS ON

FABRICATION OF GRIN MATERIALS BY PHOTOPOLYMERISATION

FUNDAMENTAL REACTION OF REFRACTORIES, POINT DEFECTS

HIGH-TEMPERATURE PHOSPHOROUS OXIDE DIFFUSION SOURCE

HYDROGEN PASSIVATION IN n- AND p-TYPE Ga-Si

IN SITU PROFILES OF OXYGEN DIFFUSION IN SrTiO<sub>3</sub>: BULKINTERDIFFUSION IN Si-C AND AlN-AI<sub>2</sub>O<sub>3</sub> SYSTEMS

INTRODUCTION TO DIFFUSION

ION BEAM MIXING, DIFFUSION, AND PHASE STABILITY IN

IONIC DIFFUSION IN GLASS

LOW-TEMPERATURE P2O4 OXIDE DIFFUSION SOURCE

MAGNETIC HEAD

MECHANISM FOR REACTIVE DIFFUSION BETWEEN Si SINGLE

METHOD AND APPARATUS FOR DERIVING TOTAL LATERAL

METHOD AND APPARATUS FOR DOPING SILICON WAFERS USING A

METHOD AND APPARATUS FOR SOI TRANSISTOR

METHOD FOR FABRICATING SEMICONDUCTOR DEVICE WITH

METHOD FOR FORMING REFRACTORY METAL NITRIDE FILM

METHOD FOR MANUFACTURING ULTRAHIGH SPEED BIPOlar

METHOD OF FORMING CONDUCTIVE AMORPHOUS NITRIDE BARRIER

METHOD OF FORMING A FIELD EFFECT TRANSISTOR

METHOD OF MAKING A GLASS DIFFUSION CELL

METHOD OF MAKING MOS TRANSISTOR WITH CONTROLLED

METHOD OF MANUFACTURING AN MOS TRANSISTOR

METHOD OF MANUFACTURING A BURIED PLATE TYPE DRAM

METHOD OF MANUFACTURING A BURIED EFFECT TRANSISTOR

METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE

METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE HAVING

METHOD OF TREATING SILICON TO OBTAIN THIN, BURIED

METHODS FOR EVALUATION OF WATER-PROOFNESS QUALITY AND

MODELLING OF Al<sub>2</sub>O<sub>3</sub> INTERDIFFUSION IN Al<sub>2</sub>O<sub>3</sub>-GaAs

MODELLING OF DEPARAFFINATION OF INJECTION MOULDED

MONTE CARLO STUDY OF DIFFUSION PHENOMENA IN III-V

NUCLEAR MAGNETIC AND CONDUCTIVITY RELAXATIONS BY LI

OHMIC CONTACT TO n-GaN WITH TiN DIFFUSION BARRIER

ON THE RELATIONSHIP BETWEEN THE FORMATION FACTOR AND

OXYGEN RANDOM WALK IN OXIDE LATTICES

PARAMETERS INFLUENCING THE LONGTERM-STABILITY OF THE

PROCESS FOR FABRICATING TANTALUM NITRIDE DIFFUSION

PROTONS AND DEUTERONS IN MAGNESIUM-DOPED SAPPHIRE

REACTION AND DIFFUSION PATH OF AN INTERFACE REACTION

SILICON LIGHTGUIDE FOR UV APPLICATIONS

SILICON CARRIER LOCOS VERTICAL MOSFET DEVICE

SINGLE AND MULTIPLE GRAIN BOUNDARY DIFFUSION THROUGH

STUDY ON THE DIFFERENT REACTIVITY OF HF-PRETREATED AND

SURFACE DIFFUSION: IS IT AN IMPORTANT TRANSPORT

TECHNIQUES FOR DIFFUSION COEFFICIENT MEASUREMENT IN

THIN POLYSILICON DOPING BY DIFFUSION FROM A DOPED

THRESHOLD ADJUSTMENT IN FIELD EFFECT SEMICONDUCTOR

TIN OXIDATION STATE, DEPTH PROFILES OF Sn<sub>2</sub> AND Sn<sub>4</sub>TiSi<sub>2</sub>/TiN CLAD INTERCONNECT TECHNOLOGY

TUNING MOS-GATED DEVICE WITH A MINIMUM NUMBER OF MASKS

76-07870P

## DIFFUSION BONDING

DIFFUSION BONDING OF NON-OXIDE CERAMICS TO TRANSITION

DIFFUSION BONDING OF SrCo<sub>3</sub> AND Al<sub>2</sub>O<sub>3</sub>

EFFECT OF CALCIUM DOPING ON THE ATOMIC STRUCTURE OF

FORMING OF SUPERPLASTIC CERAMICS

GRAPHITE-Cu AND GRAPHITE-Mo JOINTED BY SOLID STATE

INFLUENCE OF Cu<sub>2</sub>O AND CuAlO<sub>2</sub> INTERPHASES ON CRACK

JOINING NITRIDE CERAMICS

PROCESSING AND PROPERTIES OF NANOSTRUCTURED Ni-ZrO<sub>2</sub>PRODUCTION AND PROPERTIES OF MULTILAYER Si-TiO<sub>2</sub>-Si<sub>3</sub>N<sub>4</sub>

VACUUM TUBE COMPRISING A CERAMIC ELEMENT AND A METHOD

76-04689P

## DILATOMETRY

DETERMINATION OF THE MECHANICAL RESPONSE OF SINTERING

MICROSTRUCTURAL DEVELOPMENT OF ZnO USING A

PROPERTIES OF CaO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> GLASSES PREPARED IN AIR

THERMAL EXPANSION BEHAVIOUR OF BULK Bi-Si (22Z3)

76-02631A

76-03619A

76-00965A  
 76-03431A  
 76-00844C  
 76-00967A  
 76-03432C  
 76-00870P  
 76-00972A  
 76-00962C  
 76-04166A  
 76-03433C  
 76-00732A  
 76-04501C  
 76-00978A  
 76-00734A  
 76-00980A  
 76-05455A  
 76-07973A  
 76-00735A  
 76-07374A  
 76-07976C  
 76-07977A  
 76-00985A  
 76-03103A  
 76-02461A  
 76-05690A  
 76-07982A  
 76-03445C  
 76-03299A  
 76-01032A  
 76-05692A  
 76-00749C  
 76-07986A  
 76-03449A  
 76-06672P  
 76-04545P  
 76-04546P  
 76-05347C  
 76-07736P  
 76-05547P  
 76-05249A  
 76-04696A  
 76-02549A  
 76-03173C  
 76-07972A  
 76-04430A  
 76-00898A  
 76-09150C  
 76-09152A  
 76-07147P  
 76-05417C  
 76-04698A  
 76-06796P  
 76-03211A  
 76-09225P  
 76-02159A  
 76-04699A  
 76-04131A  
 76-02557A  
 76-03025P  
 76-03494P  
 76-02200A  
 76-07757P  
 76-02101P  
 76-05547P  
 76-03321P  
 76-07376P  
 76-07780P  
 76-07499P  
 76-07147P  
 76-02685P  
 76-07805P  
 76-07809P  
 76-05505P  
 76-07809P  
 76-00852P  
 76-07815P  
 76-04622P  
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DMOS FABRICATION PROCESS IMPLEMENTED WITH REDUCED  
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DOPING STUDIES OF n- AND p-TYPE AlGaIn<sub>x</sub>N GROWN BY  
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EFFECT OF DOPANTS ON HIGH FREQUENCY DIELECTRIC  
EFFECT OF EXCESS LITHIUM ON THE MAIN PIEZOELECTRIC  
EFFECT OF HEAVY DOPING IN SnO<sub>2</sub>-F FILMS  
EFFECT OF p AND n DOPING ON NEUTRAL IMPURITY AND SiO<sub>2</sub>  
EFFECT OF RARE EARTH ION DOPANTS ON THE GRAIN SIZE OF  
EFFECT OF RARE EARTH IONS ON THE STRUCTURAL PARAMETERS  
EFFECT OF SMALL AMOUNTS OF ADDITIVES ON THE SINTERING  
EFFECT OF STRONTIUM SUBSTITUTION IN (Nb, Bi) DOPED TiO<sub>2</sub>  
EFFECT OF TiO<sub>2</sub> DOPING ON RAPID DENSIFICATION OF  
EFFECTS OF ADDITIVES ON SnO<sub>2</sub> VARISTORS  
EFFECTS OF DOPANTS AND OXYGEN VACANCIES ON THE  
EFFECTS OF DOPING ON THE ELECTRONIC STRUCTURE OF  
EFFECTS OF WO<sub>3</sub> ADDITION ON THE MICROWAVE DIELECTRIC  
ELECTRICAL CONDUCTIVITY IN CaTi<sub>1-x</sub>Mn<sub>x</sub>O<sub>3</sub> PLUS OR MINUS  
ELECTRICAL CONDUCTIVITY OF YTTRIA STABILIZED ZIRCONIA  
ELECTRICALLY CONDUCTIVE TRANSPARENT DOPED TiN OXIDE  
ELECTRON-PHONON SCATTERING IN Si-DOPED GaN  
ELECTROSTATIC DISCHARGE PROTECTION STRUCTURE FOR  
EPH STUDIES OF SOME Mn-Zn FERRITES  
Er<sub>3</sub>-DOPED SILICA AND HYBRID ORGANIC/INORGANIC SILICA  
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FERROELECTRIC BIAS CAPACITOR FOR USE IN MEMORY  
FET DEVICE WITH DOUBLE SPACER  
FLASH EPROM MEMORY CELL WITH POLYSILICON SOURCE/DRAIN  
GALLIUM NITRIDE GROUP COMPOUND SEMICONDUCTOR LASER  
GRAIN-BOUNDARY SLIDING IN FLUORINE-DOPED SILICON  
HIGH BREAKDOWN VOLTAGE SILICON CARBIDE TRANSISTOR  
HIGH PERFORMANCE FIELD EFFECT TRANSISTOR WITH LAI  
HIGHLY RESISTIVE SPATTERED ZnO FILMS IMPLANTED WITH  
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InGaP/InGaAs-xAlAs-GaAs STEP-COMPOSITIONED DOPED-  
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INSULATED PROTECTIVE COATING DOPED WITH A NOBLE METAL  
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INTERACTIONS BETWEEN A THICK FILM La<sub>2</sub>(Al,Fe)<sub>2</sub>O<sub>3</sub> CATHODE  
INVESTIGATION OF VACANCIES IN GaN BY POSITRON  
ION IMPLANTATION BURIED GATE INSULATOR FIELD EFFECT  
ION IMPLANTATION DOPING OF OHMIC GROWN GaN  
ION SELECTIVE CERAMIC MEMBRANE  
La<sub>3</sub> and La<sub>2</sub> ISOELECTRONIC CENTRES IN YAG  
LATERAL SILICON CARBIDE TRANSISTOR  
LIGHT-EMITTING SEMICONDUCTOR DEVICE USING GROUP III  
LONG-LASTING AFTERGLOW CHARACTERISTICS OF Eu, Dy  
LOW CYCLE TIME CMOS PROCESS  
LOW-TEMPERATURE P2O<sub>4</sub> OXIDE DIFFUSION SOURCE  
MANUFACTURING METHOD FOR A DIAMOND ELECTRIC DEVICE  
MEASUREMENT OF SMALL CONCENTRATIONS OF VANADIUM IN  
MECHANISMS OF PHOTO-BLEACHING OF 5 eV OPTICAL  
METHOD FOR ETCHING BORON NITRIDE  
76-01763A  
76-01626A  
76-08004A  
76-03401A  
76-05244C  
76-02101P  
76-07769P  
76-09061P  
76-07800P  
76-07803P  
76-09065P  
76-08695A  
76-06246C  
76-06149C  
76-07856C  
76-08052A  
76-06817C  
76-03417A  
76-07147A  
76-05677A  
76-06255C  
76-08713A  
76-04480A  
76-00729A  
76-07092C  
76-08063A  
76-08717A  
76-06163A  
76-07458C  
76-07161A  
76-01715P  
76-08068P  
76-08061A  
76-08017A  
76-04498A  
76-08063A  
76-08849A  
76-04168A  
76-08065A  
76-04296A  
76-08063A  
76-06345A  
76-08069A  
76-00746A  
76-07984A  
76-00144A  
76-07174C  
76-05468A  
76-05151A  
76-03147C  
76-07872A  
76-07531C  
76-05532P  
76-08020P  
76-05194P  
76-07473P  
76-02060P  
76-01320P  
76-07734P  
76-03159C  
76-04421A  
76-04548P  
76-07552C  
76-05536P  
76-04425A  
76-08997P  
76-03123P  
76-01593A  
76-07064C  
76-07737P  
76-00224P  
76-07563C  
76-08082A  
76-00682C  
76-07897C  
76-02197A  
76-03178P  
76-07567A  
76-03376A  
76-08481A  
76-05376A  
76-04184A  
76-07571C  
76-00686C  
76-03528A  
76-05653A  
76-07305C  
76-08091A  
76-06593P  
76-07578C  
76-07739P  
76-05722A  
76-06325C  
76-05391A  
76-01000P  
76-07740P  
76-05542P  
76-03376P  
76-08674A  
76-00834P  
76-05546P  
76-07503A  
76-07596P  
76-07916A  
76-05776P  
76-03210A  
76-03216C  
76-03392C  
76-04213P  
76-05494P  
76-07441C  
76-07818C  
76-05551P  
76-03233A  
76-06615P  
76-07932A  
76-05552P  
76-07753P  
76-01623A  
76-03317P  
76-09025P  
76-01803P  
76-01368A  
76-02611A  
76-01334P
- METHOD FOR FORMING FLUORINE-DOPED GLASS HAVING LOW  
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76-05198P  
76-07772P  
76-07782P  
76-05572P  
76-06665P  
76-06849P  
76-05588P  
76-07809P  
76-03138P  
76-00787P  
76-03330P  
76-05584P  
76-03459P  
76-00718A  
76-05599P  
76-03259A  
76-07948C  
76-07143C  
76-07995P  
76-06480C  
76-03415A  
76-02140P  
76-00811A  
76-07950C  
76-07669C  
76-03271A  
76-00789A  
76-07829P  
76-07830P  
76-07831P  
76-07833P  
76-07834P  
76-07839P  
76-05718P  
76-02637P  
76-07678C  
76-08592A  
76-00866P  
76-07853P  
76-05624P  
76-07865P  
76-08063A  
76-04669P  
76-03283A  
76-03438A  
76-08790A  
76-03292A  
76-07972C  
76-02460A  
76-00739A  
76-05687A  
76-03055P  
76-07868P  
76-05810P  
76-07718C  
76-07869P  
76-01902P  
76-08370P  
76-03297A  
76-07985C  
76-07723C  
76-07724C  
76-02033A  
76-05693A  
76-07212C  
76-06278P  
76-03055P  
76-04966P  
76-03817P  
76-08226A  
76-02974C  
76-05861C  
76-01155A  
76-01196C  
76-03710C  
76-08885A  
76-04381A  
76-01265C  
76-03762A  
76-08219A  
76-00005P  
76-01155A  
76-05546P  
76-01317P  
76-00390C  
76-03670C  
76-08973P  
76-08974P  
76-05823A  
76-06386C  
76-04958P  
76-05578P  
76-02068P  
76-02714A  
76-02843C  
76-01195A  
76-03692A  
76-04431A  
76-03694A  
76-01196C  
76-03695A  
76-08146A  
76-03692A  
76-03701C  
76-08155A  
76-08079P  
76-03703A  
76-09009P  
76-03708C  
76-02082P  
76-08377A  
76-07930A  
76-03691A  
76-02966P  
76-09035P  
76-09039P  
76-09054P  
76-06934P  
76-06464A  
76-01265C

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- 76-09087P  
76-02146P  
76-09088P  
76-03754C  
76-06725P  
76-04645P  
76-09097P  
76-09098P  
76-09100P  
76-02150P  
76-06741P  
76-09112P  
76-09116P  
76-02164P  
76-02165P  
76-03755C  
76-03762A  
76-02693P  
76-03766A  
76-03768A  
76-08806C  
76-02013A  
76-08416A  
76-00137A  
76-01287A  
76-02190P  
76-06089A  
76-02435C  
76-01802P  
76-07079C  
76-02735A  
76-02163P  
76-02384A  
76-02783C  
76-06869P  
76-04867A  
76-04869A  
76-04988A  
76-02349A  
76-04895A  
76-04913A  
76-00051A  
76-02372A  
76-03531A  
76-07143C  
76-01856A  
76-00025A  
76-02317A  
76-02377A  
76-02389A  
76-04849A  
76-02315A  
76-09295A  
76-09392A  
76-02318A  
76-02974C  
76-09297A  
76-04851B  
76-02387A  
76-06989A  
76-02321A  
76-05966B  
76-05967B  
76-05968B  
76-04854A  
76-04855A  
76-02323A  
76-02325A  
76-04860B  
76-06877A  
76-09299A  
76-02328A  
76-06878A  
76-05310A  
76-09300A  
76-04000C  
76-04868A  
76-09301A  
76-01451A  
76-09303A  
76-04873B  
76-00577C  
76-06879A  
76-00410A  
76-02348A  
76-05369A  
76-04879A  
76-09310A  
76-09311A  
76-02349A  
76-02988B  
76-09313A  
76-00593A  
76-02343A  
76-02345A  
76-02346A  
76-08373A  
76-02346A  
76-09316A  
76-04894A  
76-08375A  
76-06012B  
76-06014B  
76-03965C  
76-04894A  
76-09319A  
76-05858A
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TURKISH CERAMIC INDUSTRY  
TURKISH PERLITE  
UPSISING FOR KAHLA-PORZELLAN  
US ABRASIVE PRODUCTION  
US ADVANCED CERAMICS INDUSTRY  
US ADVANCED CERAMICS MARKET GROWTH CONTINUES  
US CERAMIC TILE DISTRIBUTION VARIES SLIGHTLY IN LAST  
US MARKET FOR TABLEWARE IS DUE TO RISE ONCE MORE  
US SOFT MAGNET MARKET TO GROW AT 6%/YEAR  
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VIETNAMESE CONSTRUCTION SECTOR IN BRIEF OUTLINE  
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WORLD'S TILE PRODUCTION: TECHNOLOGY, MARKETS AND  
ECONOMIC INFORMATION  
CERAMIC AND GLASS INDUSTRIES IN THE EUROPEAN UNION.
- 76-03969A  
76-01484A  
76-08378A  
76-02356A  
76-08176A  
76-09321A  
76-04902A  
76-06891A  
76-09323A  
76-04903A  
76-06892A  
76-06893A  
76-06025A  
76-06378A  
76-06026B  
76-06327B  
76-08382A  
76-03983A  
76-04908A  
76-05278A  
76-06030A  
76-04911B  
76-04912B  
76-03992A  
76-09327A  
76-02365A  
76-06036B  
76-08388A  
76-02368A  
76-06042A  
76-03944A  
76-03010A  
76-04919A  
76-03013A  
76-02373A  
76-04923A  
76-04923C  
76-03761A  
76-09331A  
76-06065B  
76-02378A  
76-04925B  
76-06067A  
76-09333A  
76-09334A  
76-09335A  
76-06337A  
76-06069B  
76-02381A  
76-06269A  
76-04928A  
76-06344A  
76-01539A  
76-09342A  
76-09343A  
76-08419A  
76-09346A  
76-00633C  
76-09345A  
76-04932A  
76-09346A  
76-00642C  
76-09347A  
76-04937A  
76-04938B  
76-08348A  
76-06912A  
76-08434A  
76-09350A  
76-04940A  
76-04941A  
76-04942A  
76-04943A  
76-06913A  
76-09351A  
76-01564A  
76-08348A  
76-06100B  
76-01568C  
76-04944A  
76-00656A
- EDUCATION**  
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HOW MASONRY CAMP BENEFITS DESIGNERS  
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- EFFLORESCENCE**  
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EFFLORESCENCE PHENOMENON IN THE PRODUCTION OF BRICKS  
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- EGYPT**  
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JEWEL OF THE NILE  
QUALITY ASSURANCE AND QUALITY CONTROL DURING THE  
SYNTHESIS OF GYPSUM PLASTERS FOR DENTAL USES
- ELASTIC**  
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ELASTIC PROPERTIES  
DEFORMATION OF CO-CONTINUOUS ALUMINA-ALUMINUM  
DYNAMIC YOUNG'S MODULUS AS A FUNCTION OF SOFT THERMAL  
EFFECT OF ANNEALING TEMPERATURE ON THE ELASTIC  
EFFECT OF STRESS AND TEMPERATURE ON FERROELASTIC  
EFFECTS OF COMPACTION ON THE ELASTIC BEHAVIOUR OF A  
ELASTIC COEFFICIENTS IN LEAD TITANATE CERAMICS NEAR  
ELASTIC MODULUS DETERMINATION FROM DEPTH SENSING  
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KEATING-HARRISON MODEL FOR WIDE BAND GAP SEMICONDUCTOR  
LOW TEMPERATURE ELASTIC MODULUS DEBYE TEMPERATURE AND  
MEASUREMENT OF THE DYNAMIC ELASTIC MODULI OF POROUS
- 76-00334A  
76-02736A  
76-02357A  
76-02387A  
76-02791C  
76-05923A  
76-09194A  
76-02721A  
76-00348A  
76-02761A  
76-05994A  
76-04905A  
76-06901A  
76-05992A  
76-02217A  
76-06994C  
76-04764A  
76-06131A  
76-01599A  
76-02987A  
76-00905A  
76-06836A  
76-06136A  
76-08244A  
76-07301A  
76-02422C  
76-09225C  
76-09226A  
76-08244A  
76-06126A  
76-00101A  
76-09233C  
76-03235A  
76-08244A



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- ELECTRIC FIELDS**  
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- ELECTRICAL**  
ELECTRIC POLARISATION OF MODIFIED PbTiO<sub>3</sub> THIN FILMS  
ELECTRICAL PROPERTIES OF Ba<sub>1-x</sub>Sr<sub>x</sub>TiO<sub>3</sub> THIN FILMS  
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- ELECTRICAL APPLICATIONS**  
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SIC FOR SEMICONDUCTOR DEVICES  
SINTERED SEMICONDUCTOR BODY  
SOME SMALL-SCALE HIGH-TEMPERATURE SUPERCONDUCTING STATUS OF FERRITE TECHNOLOGY FOR HIGH VOLUME MICROWAVE STUDY OF OVERTONES OF THICKNESS EXTENSIONAL MODE IN TEMPERATURE DEPENDENCE OF NEW DESIGN CERAMIC-METAL TRANSDUCER CORES
- ELECTRICAL CONDUCTIVITY**  
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- ELECTRICALLY CONDUCTIVE TRANSPARENT DOPED TIN OXIDE ELECTROCONDUCTIVE COMPOSITION AND PROCESS OF  
FLAT PANEL DISPLAY BASED ON DIAMOND THIN FILMS  
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SILICON CARBIDE TRENCH MOSFET  
SINTERED ALUMINIUM NITRIDE AND CIRCUIT SUBSTRATE USING SOLID-STATE BATTERY USING A HYDROGENATED SILICON STAGGERED HORIZONTAL INDUCTION FOR USE WITH MULTILAYER TIN OXIDE BASED CONDUCTIVE POWDERS AND COATINGS
- 76-09244A  
76-08529C  
76-04799C  
76-08543A  
76-06253A  
76-04818A  
76-06504A  
76-07963C  
76-03068A  
76-07033A  
76-04193A  
76-09278A  
76-07756P  
76-06881P  
76-05710P  
76-05634P  
76-07532C  
76-00065A  
76-00907A  
76-01694P  
76-01066A  
76-00844P  
76-01369C  
76-01273C  
76-00817A  
76-00982A  
76-00673P  
76-00663C  
76-07405A  
76-07472P  
76-00666C  
76-00667C  
76-00668A  
76-00670A  
76-03037A  
76-00882A  
76-01048A  
76-00760P  
76-03513A  
76-07189C  
76-00677C  
76-00679C  
76-03045A  
76-00674P  
76-07193B  
76-00682C  
76-05088P  
76-01686P  
76-03452P  
76-06431A  
76-05778P  
76-05779P  
76-00704C  
76-03726B  
76-01803P  
76-03131P  
76-02684P  
76-06681P  
76-00785P  
76-03077P  
76-03140P  
76-06198P  
76-03255A  
76-07945C  
76-00812C  
76-00254P  
76-07826P  
76-03586A  
76-05602P  
76-03054A  
76-00816A  
76-03352P  
76-03606A  
76-00977C  
76-00986A  
76-0793C  
76-05749P  
76-00145P  
76-03874P  
76-00753P  
76-05492P  
76-00755P  
76-00756P  
76-06193P  
76-06580P  
76-01097P  
76-03115P  
76-03184A  
76-00691A  
76-05485P  
76-05486P  
76-04557P  
76-04558P  
76-06593P  
76-04559P  
76-06594P  
76-00776P  
76-05492P  
76-05916P  
76-07139A  
76-00780P  
76-06646P  
76-02115P  
76-06866P  
76-00783P  
76-02127P  
76-04628P  
76-01806P  
76-01007P  
76-05145A  
76-02157P  
76-07676C  
76-00795P  
76-00863P  
76-00869P  
76-05626P  
76-06289P  
76-00795P  
76-05516P  
76-01902P
- TRANSPARENT CONDUCTORS COMPRISING ZINC-INDIUM-OXIDE TRANSPARENT OHMIC CONTACTS FOR SCHOTTKY DIODE OPTICAL
- ELECTRICAL PORCELAIN**  
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DESIGNING FIRING SCHEDULES WITH THERMAL ANALYSIS DEVELOPMENT OF HIGH-STRENGTH WHITEWARE BODIES DIELECTRIC PORCELAIN COMPOSITION HAVING A HIGH DIOPSIDE: RAW MATERIAL FOR PORCELAIN PRODUCTION  
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VOLTAGE-DEPENDENT NONLINEAR RESISTOR
- ELECTRICAL PROPERTIES**  
ACCEPTOR COMPENSATION IN (Sb, V)-DOPED SEMICONDUCTING AGEING OF YSZ ELECTROLYTES AT 800 °C  
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CHARACTERISATION OF (Bi<sub>1/2</sub>Na<sub>1/2</sub>)TiO<sub>3</sub> USING ELECTRIC CHARACTERISTICS OF REFRACORIES USED IN THE CHARACTERISTICS OF CONDUCTIVE SrRuO<sub>3</sub> THIN FILMS WITH CHARACTERISTICS OF PbTiO<sub>3</sub> THIN FILMS ON Pt/SiO<sub>2</sub>/Si CHARACTERISTICS OF SPIN-ON FERROELECTRIC SrBi<sub>2</sub>Ta<sub>2</sub>O<sub>9</sub> CHARACTERISTICS OF TITANIUM NITRIDE FILMS GROWN BY CHEMICAL CONSTITUTION AND CONDUCTION MECHANISMS IN CHEMICAL PROCESSING AND CHARACTERISATION OF COMMENT ON 'SIMPLE MATHEMATICAL MODEL FOR THE COMPARISON BETWEEN THE CRYOGENIC BEHAVIOUR OF DEEP COMPARISON OF Ni/Au, Pd/Au, AND Cr/Au METALLISATIONS COMPARISON OF THE ELECTRICAL BEHAVIOUR OF TWO POROUS COMPUTER ANALYSIS OF INCONSISTENCIES IN PEN TESTING COMPUTER SIMULATION OF THE ELECTRICAL CONDUCTIVITY OF CONCENTRATION AND TRANSPORT OF PROTONS AND OXYGEN CONDUCTIVE CERAMIC COMPOSITES  
CONDUCTIVE CERAMIC COMPOSITES FOR OXIDISING AND CONDUCTIVE INDIUM-DOPED ZINC OXIDE FILMS PREPARED BY CONDUCTIVITY AND PHASE STABILITY OF BISMUTH OXIDE CONDUCTIVITY BEHAVIOUR OF SODIUM AND POTASSIUM CONDUCTIVITY ENHANCEMENT INVESTIGATION AT THE CONDUCTIVITY OF AQUEOUS A2O3 SLIPS FOR CONSIDERATION ON H2S SENSING MECHANISM OF CuO-SnO2 COPRECIPITATION PROCESS FOR PREPARATION OF NICKEL CRYSTAL GROWTH AND ELECTRICAL PROPERTIES OF LiZnO4 CRYSTALLISING GLASS IN RESISTOR PASTES FOR AIR CURRENT-VOLTAGE HYSTERESIS IN Gd<sub>0.8</sub>Ca<sub>0.2</sub>O<sub>3</sub> DELTA CYCLIC DAMAGE IN LEAD ZINATE/TITANATE  
DC ELECTRICAL CONDUCTIVITY OF Ge-S AND Ge-V-S SYSTEM DC I-V CHARACTERISTICS AND STEADY-STATE DC REACTIVE MAGNETRON SPUTTERED CdO THIN FILMS DEGRADATION BEHAVIOUR OF PTCR BaTiO<sub>3</sub> IN REDUCING GASES DEGRADATION MEMBRANE OF YTTRIA-STABILISED ZIRCONIA DEPENDENCE OF PHYSICAL AND ELECTRICAL PROPERTIES OF DETECTION OF THE CARRIER PROTONS IN SrCe<sub>1-x</sub>Yb<sub>x</sub>O<sub>3</sub> DELTA DEVELOPMENT AND TESTING OF A DANISH 0.5 kW SOFC STACK DEVELOPMENT OF HIGHLY SENSITIVE OXYGEN SENSOR USING DEVELOPMENT OF HIGH-TEMPERATURE HYDROGEN SENSOR BASED DEVELOPMENT OF A MULTILAYER CERAMIC ANTENNA SWITCH FOR DIELECTRIC BEHAVIOUR OF THIN FILMS OF BETA-PVDF/PZT DIELECTRIC PROPERTIES OF CUBIC (SVETLANIT) AND DIELECTRIC PROPERTIES OF VANADIUM PHOSPHATE GLASSES IN DIPOLAR ORGANIC/PERROELECTRIC OXIDE HYBRIDS DIRECT OBSERVATION OF GRAIN BOUNDARY ELECTRICAL DOPING ELEMENTS INFLUENCE ON MICROSTRUCTURE AND EFFECT OF ANNEALING ON PHASE STRUCTURE AND DEGRADATION EFFECT OF ANNEALING ON THE STRUCTURE AND ELECTRICAL EFFECT OF Bi<sub>2</sub>O<sub>3</sub> ADDITION ON THE MICROSTRUCTURE AND EFFECT OF BINDER GLASS CRYSTALLISATION ON ELECTRICAL EFFECT OF COMPOSITIONAL VARIATIONS IN THE LEAD EFFECT OF Cr<sub>2</sub>O<sub>3</sub> ADDITIVE ON THE ELECTRICAL PROPERTIES EFFECT OF Cr<sub>2</sub>O<sub>3</sub> IN THE VARISTOR BEHAVIOUR OF TiO<sub>2</sub> EFFECT OF DEFECT STRUCTURE ON GAS SENSITIVITY OF EFFECT OF DISPERSION STATE OF SnO<sub>2</sub> PARTICLES IN A EFFECT OF FERRIC OXIDE ON THE ELECTRICAL CONDUCTIVITY EFFECT OF GAMMA IRRADIATION ON STRUCTURE AND EFFECT OF MAGNETIC ORDER ON ELECTRICAL PROPERTIES OF EFFECT OF MICROSTRUCTURE AND DOPANT ON THE EFFECT OF OXIDATION OF THE THERMOELECTRICITY OF Fe-Si EFFECT OF OXYGEN-GAS CONCENTRATION IN THE EFFECT OF PARTICLE-DIAMETER RATIO OF YSZ TO Ni ON EFFECT OF PbTiO<sub>3</sub> CONCENTRATION ON THE PROPERTIES OF EFFECT OF PHOSPHOR DOPING ON THE MICROSTRUCTURAL AND EFFECT OF RAPID HEAT TREATMENTS ON ELECTRICAL EFFECT OF SINTERING PERIODS ON THE MICROSTRUCTURE AND EFFECT OF SODIUM SUBSTITUTION ON SUPERCONDUCTIVITY IN EFFECT OF STRONTIUM SUBSTITUTION IN (Nb,Bi) DOPED TiO<sub>2</sub> EFFECT OF SUBSTRATE MISORIENTATION ON THE OPTICAL EFFECT OF VACUUM COOKING ON THE ELECTRICAL PROPERTIES EFFECT OF VARIATIONS IN GRAIN SIZE AND GRAIN BOUNDARY EFFECTS OF ADDITION OF Na<sub>2</sub>O, Sb<sub>2</sub>O<sub>3</sub>, CaO, AND ZrO<sub>2</sub> ON EFFECTS OF ADDITIVES ON SnO<sub>2</sub> VARISTORS EFFECTS OF Ca ADDITION AND DIFFERENT SINTERING EFFECTS OF HYSTERESIS CURVES OF GLASS-PASSIVATED MOS EFFECTS OF MICROSTRUCTURE AND COMPOSITION ON THE CURIE EFFECTS OF MODIFIERS ON THE ELECTRICAL RESISTIVITY OF
- 76-04223P  
76-06370P  
76-05632P  
76-03118P  
76-02982C  
76-00582A  
76-05482P  
76-05959A  
76-04782C  
76-04782C  
76-04739A  
76-03730C  
76-07450A  
76-03150A  
76-03864C  
76-05519P  
76-07872A  
76-05330C  
76-03031C  
76-03032A  
76-05751A  
76-00079A  
76-08802C  
76-03035C  
76-04226C  
76-04065A  
76-06348P  
76-03507A  
76-06030A  
76-07536C  
76-07405A  
76-07472P  
76-03034C  
76-03035C  
76-03036C  
76-05972C  
76-04537P  
76-07473P  
76-03463A  
76-07877A  
76-03676A  
76-00670A  
76-00880A  
76-07540C  
76-05830A  
76-05343C  
76-05344C  
76-05752A  
76-07878A  
76-03031C  
76-05345A  
76-03358A  
76-03361A  
76-04320A  
76-01865A  
76-00673A  
76-04363A  
76-03160C  
76-07548C  
76-00674A  
76-00300A  
76-08808A  
76-03040C  
76-07551A  
76-07415A  
76-07417A  
76-03041C  
76-00242A  
76-02195A  
76-06763P  
76-07419A  
76-05354C  
76-08813A  
76-07189C  
76-01052A  
76-07419A  
76-07553A  
76-07419A  
76-07420A  
76-07887A  
76-03366A  
76-07422C  
76-05360C  
76-07423A  
76-05364A  
76-00679C  
76-00680A  
76-01741A  
76-05130A  
76-05642C  
76-08271C  
76-06113C  
76-03177A  
76-00802A  
76-07894A  
76-03052A  
76-03373A  
76-07564A  
76-05372A  
76-07425A  
76-05373A  
76-05374A  
76-03524A  
76-01015A  
76-07428C  
76-05375A  
76-03178A  
76-00684A  
76-07896A  
76-03374C  
76-06002C  
76-03526A  
76-03527A  
76-05376A  
76-03181A  
76-03035A  
76-03182A  
76-01019A  
76-07571C  
76-01058A  
76-03381A  
76-03381A  
76-07122A

EFFECTS OF OXIDE ADDITIVES ON SHEET RESISTANCE OF W  
EFFECTS OF FULL ADIUM DISPERSION ON GAS-SENSITIVE  
EFFECTS OF PROCESSING CONDITIONS ON THE RESISTIVITY  
EFFECTS OF QUENCHING TREATMENT ON THE STRUCTURE AND  
EFFECTS OF SUBSTRATE TEMPERATURE AND THE O<sub>2</sub>/Ar RATIO  
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ELABORATION OF TRANSPARENT PLZT CERAMICS BY AN  
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ELECTRICAL AND DIELECTRIC RELAXATION IN SILICA GLASSES  
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ELECTRICAL AND OPTICAL BAND GAP STUDIES IN NEODYMIUM  
ELECTRICAL AND OPTICAL PROPERTIES OF THIN FILM DIAMOND  
ELECTRICAL AND OPTICAL PROPERTIES OF ZnO:Al FILMS  
ELECTRICAL BEHAVIOUR OF DOUBLE LAYER ELECTROLYTES  
ELECTRICAL BREAKDOWN OF THE POSITIVE TEMPERATURE  
ELECTRICAL CHARACTERISATION OF Al-AN (PSMBE-GROWN)-Si  
ELECTRICAL CONDUCTANCE AND HYDRATION KINETICS OF  
ELECTRICAL CONDUCTION MECHANISM IN AMORPHOUS THIN  
ELECTRICAL CONDUCTIVITY, FLAMMABLE GAS RESPONSE AND  
ELECTRICAL CONDUCTIVITY IN ALPHA-AZO3-Ca-BETA'-AZO3  
ELECTRICAL CONDUCTIVITY IN CaTi-0.8MgO PLUS OR MINUS  
ELECTRICAL CONDUCTIVITY IN MIXED-ALKALI  
ELECTRICAL CONDUCTIVITY OF Fe<sub>2</sub>O<sub>3</sub>-PbO-Bi<sub>2</sub>O<sub>3</sub> GLASSES  
ELECTRICAL CONDUCTIVITY OF HOLLANDITE-TYPE  
ELECTRICAL CONDUCTIVITY OF PORTLAND CEMENT MORTARS  
ELECTRICAL CONDUCTIVITY OF SOME PHOSPHATE GLASSES  
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ELECTRICAL PERCOLATION PHENOMENA IN CEMENT COMPOSITES  
ELECTRICAL PROPERTIES AND MICROSTRUCTURE OF  
ELECTRICAL PROPERTIES OF EPOXY-MODIFIED YBCO  
ELECTRICAL PROPERTIES OF Li-Ti FERRITES  
ELECTRICAL PROPERTIES OF METAL-DIAMONDLIKE  
ELECTRICAL PROPERTIES OF TERNARY Si-C-N CERAMICS  
ELECTRICAL PROPERTIES OF THE CERAMICS IN THE  
ELECTRICAL PROPERTIES OF UNDOPED CoO - A DEBYE-HUCKEL  
ELECTRICAL PROPERTIES OF Y-TYPE HEXAGONAL FERRITE  
ELECTRICAL PROPERTIES OF Zn-Ni-O CERAMICS  
ELECTRICAL PROPERTIES OF Zn<sub>1-x</sub>Al<sub>x</sub>SUBSTITUTED Mg-Zn  
ELECTRICAL RESISTIVITY OF POROUS CARBON MATERIALS  
ELECTRICAL SWITCHING IN VOZ SOL-GEL FILMS  
ELECTRICALLY ACTIVE GRAIN BOUNDARIES: DEFECTS AND  
ELECTRICALLY CONDUCTIVE CERAMICS WITH OXIDES OF Al  
ELECTROCHEMICAL PERFORMANCE OF AN ANODE SUPPORTED  
ELECTROCHEMICAL PROPERTIES OF MIXED CONDUCTING  
ELECTRONIC CONDUCTIVITY AND IONIC DOMAIN OF T2P:  
ELECTRONIC PACKAGE WITH IMPROVED ELECTRICAL  
ELECTROSPINNING INSTRUMENT AND METHOD OF FABRICATION  
EVIDENCE OF NEW LAYERED CUPRATES IN THE Hg-A-Gd-Cu-O  
EXPLANATION OF ANISOTROPY IN ELECTRICAL CONDUCTIVITY  
FABRICATION AND CHARACTERISATION OF FERROELECTRIC PFM  
FABRICATION AND CHARACTERISTICS OF HIGH-TEMPERATURE  
FABRICATION AND CHARACTERISTICS OF WEAK LINKS BETWEEN  
FABRICATION AND SINTERING OF FINE YTTRIA-DOPED CERIA  
FABRICATION, MECHANICAL PROPERTIES, AND ELECTRICAL  
FABRICATION OF DOUBLE-SIDED YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> THIN FILMS BY  
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FORMATION AND CHARACTERISTICS OF LEAD LANTHANUM  
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HETEROEPITAXY OF DIAMOND ON SILICON  
HIGH IONIC CONDUCTIVITY AND HIGH FRACTURE STRENGTH OF  
HIGH STRENGTH FULLY STABILISED ZIRCONIA FOR SOLID  
HIGH TEMPERATURE ELECTROLYSIS OF CO<sub>2</sub> USING PEROVSKITE  
HIGHLY CONDUCTIVE TRANSPARENT THIN FILMS BASED ON ZINC  
HIGHLY CONDUCTIVE OXIDES AS ELECTRODES FOR CERAMIC  
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HIGH-PERFORMANCE PZT CERAMICS FROM HYDROTHERMALLY  
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HIGH-TEMPERATURE SOLID-STATE POTENTIOMETRIC SENSOR FOR  
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HUMIDITY RESPONSE OF TITANIA CERAMICS  
HYDROSTATIC PRESSING OF GLASS POWDER MATERIALS  
IMPEDANCE SPECTROSCOPY OF 4.7 MOHMS Y-PSZ  
IMPROVEMENT OF CRITICAL CURRENT DENSITY IN RELATION  
INFLUENCE OF ANTIMONY DOPING ON ELECTRICAL PROPERTIES  
INFLUENCE OF CHEMISTRY AND PROCESSING ON THE  
INFLUENCE OF GRAIN BOUNDARY ON THE ELECTRICAL  
INFLUENCE OF HEAT TREATMENT WITH NiO<sub>2</sub> ON THE  
INFLUENCE OF POROSITY ON THE CONDUCTIVITY OF  
INFLUENCE OF SURFACE DEFECTS ON THE CHARACTERISTICS OF  
INFLUENCE OF THE STRUCTURE ON THE ELECTRICAL AND  
INFLUENCE OF TiO<sub>2</sub> ADDITION ON SINTERING  
INFLUENCES OF ELECTROCHEMICAL VAPOUR DEPOSIT  
INTEGRATED FILTERS AND OVERVOLTAGE PROTECTION IN  
INTERACTIONS BETWEEN A THIN FILM La<sub>1-x</sub>(Al<sub>1-x</sub>)<sub>2</sub>O<sub>3</sub> CATHODE  
INTERFACE-CONTROLLED PERCOLATION IN FUNCTIONAL CERAMIC  
INVESTIGATION OF ALUMINIUM AND TITANIUM/ALUMINIUM  
INVESTIGATION OF SnO<sub>2</sub> DEFECT CHEMISTRY IN RELATION  
INVESTIGATIONS ON INTERMEDIATE TEMPERATURE (500-650 °C)  
ION IMPLANTATION TO IMPROVE MECHANICAL AND ELECTRICAL  
IONIC AND ELECTRONIC CONDUCTIVITY IN TITANIA DOPED YSZ  
IONIC AND ELECTRONIC SENSITIVITY OF Mg- AND Nb-DOPED  
IONIC AND ELECTRONIC TRANSPORT IN BaCo<sub>0.9</sub>Pb<sub>0.1</sub> SOLID  
IONIC CONDUCTIVITY AND SINTERABILITY OF NASICON-TYPE  
JOINTS IN BONDING OF ELECTRICAL WIRES  
LARGE ENHANCEMENT OF ELECTRICAL CONDUCTIVITY IN  
LEAD-FREE CONDUCTIVE PASTE  
LEAKAGE CURRENT MECHANISM OF PZT THIN FILMS DEPOSITED  
LIQUID PHASE ASSISTED SINTERING OF LaCoO<sub>3</sub>: PROCESSING  
LITHIUM ALKALINE EARTH BISMUTHATE GLASSES  
LITHIUM ION CONDUCTIVITY OF A-SITE DEFICIENT  
LOW LOSS, LOW TEMPERATURE COFRED CERAMIC FOR  
LOW-TEMPERATURE AC CONDUCTIVITY OF MIXED MOBILE ION  
LOW-TEMPERATURE PLASMA-ENHANCED CVD OF SILICON OXIDE  
LUBRICATING THIN FILMS PREPARED USING MOCVD  
MAGNETIC AND ELECTRICAL PROPERTIES OF METAL-FERRITE  
MATERIAL FOR ELECTRIC CONTACTS TAKING SILVER-TIN OXIDE  
MEASUREMENT OF THE IONIC CONDUCTIVITY AS A FUNCTION OF  
MEASUREMENTS OF THE ELECTRICAL PROPERTIES OF  
MECHANICAL AND ELECTRICAL CHARACTERISATION OF SOLID  
MECHANICAL AND ELECTRICAL PROPERTIES OF HOT-PRESSED  
METAL DISTRIBUTION IN ALUMINA/ALUMINIUM COMPOSITES  
METAL PHASES IN ZIRCONIATE MATRIX ELECTRIC AND  
METAL-INSULATOR TRANSITION IN LAYERED PEROVSKITE-TYPE  
METHOD OF FORMING A Ta<sub>2</sub>O<sub>5</sub> DIELECTRIC LAYER WITH  
METHOD OF MAKING, AND A DEVICE INCLUDING, A TITANIUM  
METHOD OF TREATING A CERAMIC BODY TO FORM A WETTABLE  
METHODS OF FORMING BICOLOUR SEMICONDUCTING DEVICES  
MICROSCOPIC ORIGIN OF THE PTC EFFECT IN NiO<sub>2</sub>-DOPED  
MICROSTRUCTURAL DEVELOPMENT IN SOL-GEL DERIVED LEAD

76-03056A  
76-07427A  
76-07428A  
76-08485A  
76-04440A  
76-08486A  
76-03383C  
76-07123C  
76-02601A  
76-08822A  
76-06068A  
76-03069A  
76-00246A  
76-06090A  
76-08003A  
76-07429C  
76-05654A  
76-07574C  
76-02424A  
76-02602A  
76-03057A  
76-07430C  
76-07905C  
76-00247A  
76-05137A  
76-07906C  
76-03033A  
76-07124C  
76-07124C  
76-09149C  
76-00031A  
76-02603A  
76-05754A  
76-03467A  
76-03185A  
76-06324C  
76-08823C  
76-07430A  
76-03468C  
76-07575A  
76-03469A  
76-01873A  
76-00592A  
76-09153A  
76-07480P  
76-05384C  
76-09151C  
76-07431C  
76-05391A  
76-00775P  
76-05525A  
76-08491A  
76-07910A  
76-05391A  
76-03534A  
76-07434A  
76-08492A  
76-08040A  
76-09153A  
76-03388A  
76-03196C  
76-03059C  
76-03061A  
76-03207A  
76-00806A  
76-03062A  
76-03063C  
76-07435C  
76-03207A  
76-07436C  
76-07600A  
76-03390C  
76-03391A  
76-00699A  
76-07437A  
76-05398A  
76-05775P  
76-03059A  
76-05179A  
76-07073A  
76-01065A  
76-00924A  
76-08007C  
76-05655A  
76-07438A  
76-07439A  
76-07610C  
76-08045A  
76-07075A  
76-08443A  
76-03475C  
76-07441C  
76-02503A  
76-07617C  
76-03069C  
76-05405C  
76-05864A  
76-03070C  
76-03071C  
76-07442C  
76-03072A  
76-00164P  
76-02607A  
76-07484P  
76-07440A  
76-07444C  
76-07075A  
76-03073C  
76-03074C  
76-07440A  
76-09027P  
76-01068A  
76-08002A  
76-06197P  
76-09150A  
76-00938A  
76-00710A  
76-04796A  
76-04378A  
76-01510A  
76-00938A  
76-07503P  
76-02118P  
76-06691P  
76-07819C  
76-07336A  
76-05671A

MICROSTRUCTURAL PROPERTIES OF MICROPOROUS  
MICROSTRUCTURE AND CRITICAL CURRENT DENSITY IN  
MICROSTRUCTURE AND ELECTRICAL CONDUCTIVITY OF  
MICROSTRUCTURE AND PROPERTIES OF AlN CERAMICS  
MICROSTRUCTURE BLOCKING EFFECTS VERSUS EFFECTIVE  
MICROSTRUCTURE, COMPOSITION AND TRANSPORT MAGNITUDES  
MICROSTRUCTURE, ELECTRICAL CONDUCTIVITY, AND  
MICROSTRUCTURES AND ELECTRICAL RESISTIVITIES OF THE  
MICROWAVE TECHNIQUES FOR MEASURING COMPLEX  
MIGRATING HOT ZONE IN POSITIVE TEMPERATURE COEFFICIENT  
MILD SYNTHESIS OF A Cu<sub>2</sub>S<sub>2</sub>(Y<sub>2</sub>Cu<sub>2</sub>O<sub>2</sub>) SUPERCONDUCTOR  
MIXED ALKALI EFFECT IN THE SYSTEM K<sub>2</sub>O-PbO-P<sub>2</sub>O<sub>5</sub>  
MIXED ALKALI EFFECT ON CALCIUM ALUMINOGERMANATE  
MONOLITHIC CERAMIC CAPACITOR  
MONOLITHIC VPS-FABRICATED SOFC  
MO<sub>2</sub>-BETA' SIAON PARTICULATE CERAMIC COMPOSITE  
NEW APPLICATIONS OF CERAMIC MEMBRANES IN CHEMICAL  
NEW CANDIDATE FOR THE SOLID OXIDE FUEL CELL CATHODE  
NEW LOW-VOLTAGE VARISTOR COMPOSITES  
NEW METALLIC, ORDERED PEROVSKITE THIN FILM  
NEW OXIDE ION CONDUCTING SOLID ELECTROLYTES  
NEW POROUS CARBON MATERIALS, WOODCERAMICS: DEVELOPMENT  
NEW PROCESS FOR PRODUCING BETA ALUMINA BASED GAS  
Ni-Zn FERRITE SPINEL: CHARACTERISATION AND EVALUATION  
NiO<sub>2</sub> GAS SENSING PROPERTIES OF RARE EARTH-COPPER  
NONLOCALISME ET PHYSICAL PROPERTIES OF THE  
NUMERICAL SIMULATION OF ELECTRICAL CHARACTERISTICS OF  
OHMIC RESISTANCE OF THE ELECTRODE-ELECTROLYTE  
OIL-RELATED DEFLOCCULANTS FOR TAPE CASTING SLIPS  
ON THE EFFECT OF Cd DOPING AND Co-La CO-DOPING IN  
ON THE RELATIONSHIP BETWEEN POROSITY AND ELECTRICAL  
ON THE RELATIONSHIP BETWEEN THE FORMATION FACTOR AND  
OPERATION PRINCIPLES FOR FUEL CELLS WITH MIXED IONIC  
OPTICAL AND ELECTRICAL CHARACTERISTICS OF  
ORIENTED CONDUCTIVE FILM AND PROCESS FOR PREPARING THE  
OUTLOOK FOR SYNTHETIC RESIN-BONDED MAGNESIA-GRAPHITE  
OXIDE FILMS AND NANO-SIZED POWDERS FABRICATED BY  
OXYGEN DIFFUSION IN ACCEPTOR-DOPED SrCoO<sub>3</sub> AND Cr<sub>2</sub>O<sub>3</sub>  
OXYGEN ION CONDUCTIVITY IN BROWNILLERITE-STRUCTURED  
OXYGEN SEPARATION USING DENSE GADOLINIA-DOPED CERIA  
PATTERNING POLYMER METAL PRECURSOR FOR HIGH  
PbO<sub>2</sub>-PbO-Bi<sub>2</sub>O<sub>3</sub> GLASS-CERAMIC FILMS BY A SOL-GEL  
PERCOLATIVE CURRENT-PASS AND YOUNG'S MODULUS IN  
PHASE DISTRIBUTION, MICROSTRUCTURE, AND ELECTRICAL  
PHASORS FOR FLUID CONDUCTORS AND VERTICAL ELECTRIC  
PHOTOVOLTAIC RESPONSE MAP IN PLZT CERAMICS DOPED WITH  
PHYSICO-CHEMICAL PROPERTIES OF HETEROEPITAXIAL-TIN  
PLASMA SPRAYING OF LANTHANUM CHROMITE FILMS FOR SOLID  
POSITIVE-TEMPERATURE-COEFFICIENT EFFECT IN  
PRASEODYMIUM-MANGANESE OXIDE LAYER FOR USE IN FIELD  
PREPARATION AND CHARACTERISTICS OF Al-DOPED ZnO  
PREPARATION AND CHARACTERISATION OF ZrO<sub>2</sub> ELECTROLYTES  
PREPARATION AND ELECTRICAL CONDUCTIVITY MEASUREMENT OF  
PREPARATION AND ELECTRICAL PROPERTIES OF SrTiO<sub>3</sub> THIN  
PREPARATION AND PERFORMANCE OF Ni-TiO<sub>2</sub> CERAMIC ANODES  
PREPARATION AND SINTERING BEHAVIOUR OF SUBMICRON  
PREPARATION OF AN ALKALI-ELEMENT-DOPED CaO<sub>2</sub>-Sm<sub>2</sub>O<sub>3</sub>  
PREPARATION OF ATO THIN FILMS BY DC MAGNETRON  
PREPARATION OF EPITAXIAL Y<sub>1-x</sub>HoxBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> DELTA HIGH TC  
PREPARATION OF GRAPHITE-CRISTOBALITE-SILICONE RUBBER  
PREPARATION OF HIGHLY TRANSPARENT THIN FILM EXHIBITING  
PREPARATION OF La<sub>0.5</sub>Si<sub>0.5</sub>TiO<sub>3</sub> PEROVSKITE THIN FILMS BY  
PREPARATION OF LEAD ZIRCONATE TITANATE THIN FILMS BY  
PREPARATION OF MICRO-COILED SiC AND TiC FIBRES BY  
PREPARATION OF NEW PTCR CERAMICS  
PREPARATION OF PURE YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> SUPERCONDUCTORS FROM  
PREPARATION OF TRANSPARENT AND CONDUCTIVE ZnO THIN  
PREPARATION OF YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> DELTA THIN FILM BY  
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76-07562C  
76-02722A  
76-03192A  
76-07584C  
76-03312P  
76-08626P  
76-03894C  
76-01426P  
76-07644C  
76-02655A  
76-07080C  
76-00797P

76-01142A  
76-01143A  
76-00865A  
76-08605A

76-05204A  
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76-04362A

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76-00328A  
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ENGORGES IN YELLOW ENGORGES FOR ROOFING TILES

## ENSTATITE

SHEAR INDUCED TRANSFORMATION IN ENSTATITE

## ENTROPY

VISCOSITY, CONFIGURATIONAL ENTROPY, AND RELAXATION

## ENVIRONMENTAL

NUMERICAL SIMULATION OF AN INDUSTRIAL BURNER IN ORDER

## ENVIRONMENTAL PROTECTION

ABATEMENT OF THE FUMES EMITTED FROM BRICK FIRING KILNS  
BATCH, RAW MATERIAL PREHEATING AND INTEGRATED WASTE  
CONSTRUCTION OF AN ALL OXYGEN FURNACE FOR CONTAINER  
CONTROL OF EMISSIONS FROM CERAMICS INDUSTRY  
DECLARATION OF THE GERMAN BRICK AND TILE INDUSTRY ON  
CONSTRUCTION ON AN ULTRA-LOW-NOX OXYGEN-FUEL GLASS  
DESTRUCTION OF CFCs IN CEMENT KILNS  
DEVELOPMENT OF ENGINEERING CHEMISTRY IN UKRAINE  
DIFFERENTIAL SCANNING CALORIMETRY FOR DETERMINING THE  
EC - PROGRAMME THERMIE PROMOTES THE RATIONAL USE OF  
ECO-BALANCES FOR THE PRODUCTION OF PIPES FOR DRAINS  
ECOLOGICAL PROBLEMS DUE TO THE USE OF ORGANIC BINDERS  
ECOLOGICALLY BENEFICIAL DE-BINDING AND SINTERING UP TO  
ECONOMIC FLOW CYCLE LAW AND ITS EFFECTS  
ENERGY SAVING IN THE PRODUCTION OF BRICK PAVERS  
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ENVIRONMENTAL INSURANCE AS A SAFEGUARD FOR COMPANIES  
ENVIRONMENTAL LEGISLATION APPLIED TO GLASS SECTOR:  
ENVIRONMENTALLY BENEFICIAL DECORATION FOR FAST FIRING  
EUROPEAN ENVIRONMENTAL POLICY AND THE TILE AND BRICK  
EUROPEAN PROPOSALS AND DIRECTIVES ON ENERGY TAX AND  
EVAPORATION OF FLUORINE, CHLORINE AND SELENIUM FROM  
FLUE GAS CLEANING WITH THE CTP-AUTOTHERM  
FURNACE CONVERSION TO OXY-GAS COMBUSTION AT PHILIPS  
GLASS FURNACE NOx CONTROL WITH GAS REBURN  
GLASS FURNACE TECHNOLOGY FOR REDUCED EMISSIONS BASED  
GLASS INDUSTRY AND THE ENVIRONMENT: EVOLUTION  
GLASS RECYCLING  
GREENHORN ENGINEERING: HOW TO AVOID ENVIRONMENTAL  
GROWTH OF THE USE OF OXYGEN IN GLASS MELTING  
HANDBOOK "CERAMIC TILE AND ENVIRONMENT"  
Hf EMISSIONS IN MANUFACTURING TRADITIONAL CERAMICS  
INERTISATION OF INDUSTRIAL WASTES IN CERAMIC MATERIALS  
INFLUENCE OF THE OPERATING PARAMETERS OF INDUSTRIAL  
INTEGRATED MANAGEMENT SYSTEM (QUALITY, SAFETY, THE  
METHOD FOR EVALUATING ECOLOGICAL DANGER OF HEAT  
METHODS FOR TREATING GAS EMISSIONS FROM GLASS FURNACES  
METHODS OF TREATING GAS EMISSIONS IN BRICK AND TILE  
MODERN TECHNOLOGIES FOR PROTECTING THE ENVIRONMENT  
NEW BAGHOUSE UNITS COMMISSIONED AT ST. LAWRENCE CEMENT  
ONE HUNDRED PER CENT OXYGEN-FUEL FIRING  
OXYCOMBUSTION TO REDUCE NOX EMISSIONS OF INDUSTRIAL  
PARTICULATE EMISSIONS IN OXY-FUEL FIRED GLASS FURNACES  
PHILOSOPHY, DESIGN AND PERFORMANCE OF OXY-FUEL  
PILKINGTON 3R - THE COST-EFFECTIVE WAY TO NOX  
PRACTICAL ASPECTS OF EMISSIONS MONITORING  
Preliminary Evaluation of the Fibreoptic Candle Filter  
PRODUCT STEWARDSHIP FOR REFRACTORY CERAMIC FIBRE  
PRODUCTION OF CERAMIC BUILDING MATERIALS IN RUSSIA  
PROTECTION OF THE AIR AND WATER BY ITALIAN FACTORIES  
QUALITY REVOLUTION TEMPERA HIGH TECH WITH HUMAN  
RATIONAL USE OF WATER IN CERAMIC TILE PROCESSING  
RECYCLING OF ENERGY-CONTAINING BY-PRODUCTS IN THE  
REDUCING EMISSIONS FROM GLASS FURNACES WITH COMBUSTION  
REDUCTION OF NOX IN FURNACE EMISSIONS  
REDUCTION OF THE SULPHUR OXIDE EMISSIONS DURING TUNNEL  
REMOVAL OF NITROGEN OXIDES FROM CERAMIC GLAZES  
REPORT ON THE WORK OF THE FOLLOW-UP COMMITTEE FOR THE  
REPORT: PRINCIPLES AND BACKGROUND OF THE BUILDING  
RILEM WORKSHOP ON ENVIRONMENTAL ASPECTS OF BUILDING  
SELECTIVE CATALYTIC REDUCTION: ALTERNATIVE DIRECTION?  
SELECTIVE SODIUM REMOVAL FROM RADIOACTIVE WASTE  
SOLID OXIDE ELECTROLYTE FUEL CELL REVIEW  
SOLID WASTE: THE CURRENT SITUATION AND FUTURE  
SOx EMISSIONS IN FIRING CERAMICS  
THERMAL INSULATION ORDER 2000  
TITLE V PERMITS IN THE GLASS INDUSTRY: MAKING THEM  
UNIFORM STATE LAW TO EXEMPT DECORATED GLASS OR CERAMIC  
USE OF INDUSTRIAL WASTES IN THE BRICK PRODUCTION, AIR  
USE OF WASTE MATERIALS IN THE BRICK INDUSTRY: THE  
WASTE GAS CLEANING IN THE BUILDING INDUSTRY

76-00961A  
76-02347A  
76-05855A  
76-06843A  
76-09233C  
76-08504C  
76-07042P  
76-07044P  
76-08217C  
76-08290C  
76-04916A  
76-05882A  
76-00128A  
76-08196A  
76-01773A  
76-02374A  
76-08297C  
76-06512A  
76-05098P  
76-08298A  
76-09234P  
76-03785A  
76-06302C  
76-08274A  
76-06871A  
76-03794C  
76-01311A  
76-06874A  
76-08610A

76-06915A  
76-01729A  
76-02245A  
76-01176C  
76-02271C  
76-02347A  
76-04896A  
76-04800C  
76-05949P  
76-02271C  
76-00128A  
76-00180P  
76-06723P

76-00328A  
76-07282A

76-06164A

76-02632A

76-02367A

76-09363A  
76-03878A  
76-09365A  
76-02335A  
76-04876A  
76-02337A  
76-02337A  
76-09308A  
76-00023A  
76-04880A  
76-02338A  
76-04881A  
76-08313A  
76-04882A  
76-04885A  
76-04886A  
76-06882A  
76-06883A  
76-07371A  
76-00330C  
76-04930A  
76-07196A  
76-02344A  
76-09366A  
76-03888A  
76-06887A  
76-06888A  
76-09367A  
76-00281A  
76-00599C  
76-04893A  
76-00341A  
76-02355A  
76-04899A  
76-04908A  
76-02361A  
76-02362A  
76-09370A  
76-00052A  
76-03889A  
76-09368A  
76-03897A  
76-06327A  
76-09369B  
76-02370A  
76-04817C  
76-05284A  
76-08408A  
76-02375A  
76-04924A  
76-04924A  
76-08902A  
76-05893A  
76-09372B  
76-06903A  
76-08326B  
76-06904A  
76-06905A  
76-02379A  
76-06907A  
76-08117C  
76-03099C  
76-00632C  
76-04929A  
76-09361A  
76-069357  
76-04929A  
76-09359A  
76-00366C  
76-00367A  
76-09360A



## EPITAXIAL GROWTH

ACCULAR MAGNETIC IRON OXIDE PARTICLES AND PROCESS FOR CHARACTERISATION OF NEAR-EDGE OPTICAL TRANSITIONS IN CHARACTERISTICS OF CONDUCTIVE  $\text{SrRuO}_3$  THIN FILMS WITH CHEMICAL BEAM EPITAXIAL GROWTH OF  $\text{InP}$  USING EDM AND CONTROL OF ETCH PIT DENSITY IN LOW-PRESSURE-GROWN EPITAXIAL GROWTH AND MAGNETIC BEHAVIOUR OF  $\text{NiFe}_2\text{O}_4$  GROWTH OF  $\text{GaIn}$  FILMS BY MIGRATION-ENHANCED EPITAXY GROWTH OF SECONDARY PARTICLES ON SiC POLYHEDRA INTRINSIC AND THERMAL STRESS IN GALLIUM NITRIDE LARGE-AREA SUPERSONIC JET EPITAXY OF  $\text{AlN}$ ,  $\text{GaIn}$  AND SiC MAGNETO-OPTICAL ELEMENT MATERIAL FORMED OF MAGNETIC MECHANISMS OF STRAIN REDUCED  $\text{GaIn}$  AND  $\text{AlGaInGaIn}$  METHOD FOR FABRICATING A SELF-ALIGNED DOUBLE-GATE MULTILAYER EPITAXIAL  $\text{n}(\text{Si}/\text{TiO}_2/\text{PbTiO}_3)$  THIN FILMS AND OPTICAL PROPERTIES OF EPITAXIAL  $\text{KbNbO}_3$  AND  $\text{Fe-DOPED}$  POSITRON CHARACTERISATION OF DEFECTS FORMED DURING PROCESS FOR PRODUCING A LITHIUM NIOBATE-LITHIUM PROCESS OF MANUFACTURING A SEMICONDUCTOR DEVICE SELECTED ENERGY EPITAXY OF GALLIUM NITRIDE SUSCEPTOR FOR SEMICONDUCTOR WAFER PROCESSING TRANSMISSION ELECTRON STUDY OF HETEROEPITAXIAL GROWTH UNDOPED AND DOPED  $\text{GaIn}$  THIN FILMS DEPOSITED ON

## EPITAXY

FLIP-MESH SUPERCONDUCTING MCM GALLIUM NITRIDE THICK LAYERS: EPITAXIAL GROWTH AND IN SITU ETCHING AND CHEMICAL BEAM EPITAXY OF METHOD FOR EPITAXIALLY GROWING GALLIUM NITRIDE LAYERS SILICON CARBIDE BIPOLAR DEVICE WITH TRENCH ISOLATION METHOD FOR CMOS TRANSISTOR

## EQUATIONS

ANALYTICAL THEORY OF ELECTRON MOBILITY AND DRIFT

## EQUILIBRIUM

EFFECT OF BASICITY ON REDOX EQUILIBRIA IN SODIUM SOME NEW ASPECTS OF HIGH-TE SUPERCONDUCTORS: CHEMICAL STUDY OF THE ELECTROCHEMICAL EQUILIBRIA IN MOLTEN

## EQUIPMENT

ABATEMENT OF THE FUMES EMITTED FROM BRICK FIRING KILNS ADAPTING RAW MATERIALS TO USE NEW CERAMIC PROCESSES AIR POLLUTION CONTROL PROCESS AND APPARATUS FOR GLASS ALUMINA ABRASIVE WHEEL WITH IMPROVED CORNER HOLDING APPARATUS FOR AND METHOD FOR BENDING GLASS SHEETS APPARATUS FOR APPLYING CERAMIC COATINGS APPARATUS FOR DELIVERING A SILICA FILM FORMING APPARATUS FOR IN SITU GREEN SHEET SLITTING APPARATUS FOR PRODUCTION OF CERAMICS REINFORCED WITH APPLICATION OF MONOLITHIC LINING FOR THE STEEL LADLE AUTOMATED PRODUCTION OF PREFABRICATED WALL PANELS WITH BORONISING REDUCES WEAR IN CERAMIC PROCESSING CERAMIC TERMINAL SIZE ANALYSER, PT.1 CHOOSING A PARTICLE SIZE ANALYSER, PT.1 CIRCULAR SCREEN FEEDER: MACHINE FOR SIZE CONTINUOUS CONICAL MILL FOR THE GRINDING OF CERAMIC CONTINUOUS CONICAL MILL IN THE GRINDING OF CERAMIC RAW

CONTROLLING AIR FLOW IN A TUNNEL KILN DEPOSITING MULTIPLE LAYER OPTICAL COATINGS USING AN DEVELOPMENT OF DIAGNOSIS AND REPAIR SYSTEM FOR DEVELOPMENT OF DRY PRESSING IN THE CERAMICS INDUSTRY DISPENSER FOR CERAMIC POWDERS DRY SILICON ETCHING FOR MEMS ELECTRICAL HEATING FOR MATERIAL INVESTIGATIONS ABOVE ELECTRON BEAM VACUUM COATING PLANT HAVING A CRUCIBLE ENERGY EFFICIENCY AND MANAGEMENT IN DRYERS EQUIPMENT FOR FINE CRUSHING OF CERAMIC MATERIALS FAST FIRING OF ROOFING TILES IN A TUNNEL KILN: THE FIBRE OPTIC TECHNOLOGY IN DUST MONITORING FINE PREPARATION IN BUILDING AND HEAVY CLAY CERAMICS FOOT WIPING APPARATUS FOR CERAMIC WARE FORCED CONVECTION HEATING APPARATUS AND PROCESS FOR GLASS FEEDER HEAT BAFFLE GLASS MELTING FURNACE PLUNGER NEEDLE SET-UP FIXTURE GLASS PATTERN CUTTING DEVICE GLASS SHEET BENDING METHOD GLASS SHEET FORMING SYSTEM GOB DISTRIBUTOR FOR GLASSWARE FORMING MACHINES OR FOR HIGH-TEMPERATURE AND HIGH PERFORMANCE FOR TECHNICAL HIGH-TECH PLANTS ALSO FOR TRADITIONAL CERAMICS HIGH-TEMPERATURE BELT FURNACE APPARATUS AND METHOD OF HOT AIR BLOWERS FOR ENERGY EFFICIENCY IMPROVED FLEXIBILITY FOR FIRING SPECIALS INCREASE IN QUALITY AND OUTPUT BY MEANS OF INNOVATIVE INDIAN HEAVY CLAY MACHINERY SECTOR - IN SEARCH OF INDIVIDUAL SECTION GLASS BLOWING MACHINE WITH MOVING INNOVATIVE FIRING UNIT FOR FERRITE PRODUCTION ITALIAN MANUFACTURERS OF MACHINERY AND EQUIPMENT FOR ITALY'S CERAMIC MACHINERY CONSTRUCTION INDUSTRY 1995 KALEBODUN INVESTS IN NEW MAGNETIC TECHNOLOGY LINE FOR ENAMELLING METALLIC ARTICLES OF COMPOSITE LOGISTICS AND MACHINE CONSTRUCTION COMBINED MAKING LUMPY CLAY PROPORTIONABLE MATHEMATICAL MODEL OF AN ARGUS RESONANCE APPARATUS FOR MECHANISATION OF BOF REMELTING WORK IN NAGGYA WORKS METHOD AND APPARATUS FOR MAKING GLASS METHOD AND DEVICE FOR THE BENDING OF GLASS SHEETS METHOD FOR FORMING FERROELECTRIC THIN FILM AND MODERN TECHNOLOGIES FOR PROTECTING THE ENVIRONMENT MODIFICATION OF PARTS OF AUTOCLAVE EQUIPMENT FOR MORPHOLOGICAL ANALYSIS OF STRUCTURAL FEATURES OF NEW CLINKER COOLER INSTALLED AT ALPENA NEW DEVELOPMENTS: CLAY PREPARATION MACHINES AND ROOF NEW SEMI-RAPID DRYER: THE CAPITERLINA CASE NEW TRENDS IN REFRACTORY PRESSING TECHNOLOGY OLIVOTTO PRESS-AND-BLOW MACHINES PLANT ENGINEERING METHODOLOGICAL EVOLUTION: A NEW TYPE PLUNGER ASSEMBLY ADAPTER POT BURNERS - TECHNOLOGY FOR THE HIGH-TEMPERATURE ZONE PRESSURE FORMING OF GLASS SHEETS PROCESS FOR IMPROVING THE DEBIDDING RATE OF CERAMIC PRODUCTION OF FINE MINERAL POWDERS WITH ALPINE WET PRODUCTIVITY CAST IN A NEW MOULD RAPID NORTOXIC NITRIDING OF MOULDS AND PARTS OF RAPID PARTICLE SIZE REDUCTION WITHOUT INTRODUCING INTO RAPID TUNNEL KILN: THE RIBBANIANCE CASE RESONANCE FRACTURE OF SOLID PARTICLES BY A LIQUID: A ROLLER KILNS FOR PARTITION ELEMENTS: THE GUIRAUD ROLLER KILNS FOR ROOFING TILES: THE CATRAPARMA CASE ROTOGRAVURE TAKES CERAMICS BY STORM SELECTED ENERGY EPITAXY OF GALLIUM NITRIDE SELECTING THE RIGHT PARTICLE SIZE ANALYSER SILK-SCREEN PRINTING ON PRESSED CERAMICS SITE NEWS FOR SANITARYWARE PRODUCTION SIZE REDUCTION MACHINES FOR SEMI-WET PREPARATION IN TECHNICAL ADVANCES IN PROCESS DRYING

TECHNOLOGICAL TRANSFER AND INNOVATION DOWNFALL IN TILES ARE GETTING LARGER: WHAT ABOUT THE PRESSES? ULTRAFINE MILLING OF CERAMICS USE OF CONTINUOUS CONICAL MILL IN THE GRINDING OF WAFER TRAY AND CERAMIC BLADE FOR SEMICONDUCTOR WELL-MAINTAINED ROLLER MILL - THE BRICK MAKER'S GOOD

## ERBIUM

BARIUM STRONTIUM TITANATE (BST) THIN FILMS BY ERBIUM DIELECTRIC THIN FILM DEVICE WITH LEAD ERBIUM ZIRCONATE DIFFUSION OF  $\text{Er}_3+$  IN POROUS SOL-GEL GLASS  $\text{Er}_3+$ -DOPED SILICA AND HYBRID ORGANIC/INORGANIC SILICA ERBIUM-DOPED PLANAR OPTICAL DEVICE HIGH  $\text{Er}(\text{III})$  CONTENT ZBN GLASS FOR MICROCHIP LASER LASER SYSTEM USING U-DOPED CRYSTAL Q-SWITCH OPTICAL SWITCH Tl-OR EU-CONTAINING FLUOROPHOSPHATE FLUORESCENT GLASS TIME-RESOLVED Z-SCAN AND THERMAL LENS MEASUREMENTS IN

## EROSION

CONTROLLED WET EROSION WEAR OF POLYCRYSTALLINE ALUMINA SIMULATION OF EROSIONS IN A SINGLE DISCHARGE EDM SLAGLINE WEAR OF GRAPHITE-BONDED ZIRCONIA SENS TWO-LAYER HIGH-TEMPERATURE COATING ON A CERAMIC

## EROSION RESISTANCE

APPLICATION OF BASIC MATERIALS FOR CC REFRACTORIES APPLICATION OF MATERIAL FOR CC NOZZLE TO PREVENT DEVELOPMENT AND APPLICATION OF SCUM WEIR FOR A TUNDISH ENGINEERED CERAMIC COMPONENTS FOR THE LEADING EDGE OF EROSION WEAR IN  $\text{Al}_2\text{O}_3$ - $\text{Cr}_3\text{C}_2$  COMPOSITES FABRICATION OF GRADED, SPRAY AND FUSED COATINGS AND FIRE PROTECTION DEVICE HAVING A PROTECTIVE OUTER LAYER IMPROVEMENT OF OXIDATION RESISTANCE AND EROSION IMPROVEMENT OF SLIDE GATE PLATES FOR HIGH OXYGEN STEEL IN SITU TESTING OF SUPERSTRUCTURE REFRACTORIES INTERACTION BETWEEN GRAVITATION-HARDENED ZIRCONIA LOW TEMPERATURE, LOW PRESSURE DUCTILE BONDED CEMENT MAGNESIA-CHROME BRICKS WITH HIGH RESISTANCE TO EROSION MAGNESIA-TITANIA REFRACTORY AND METHOD FOR METHODS AND APPARATUS FOR MAKING CERAMIC MATRIX CERAMIC EROSION-RESISTANT COATING AND A METHOD OXIDATION BEHAVIOUR OF SiC COATED CARBON/CARBON PROSPECTS OF THE USE OF TITANIUM ALUMINATE CERAMICS IN PROTECTIVE COATINGS OF NANOPHASE DIAMOND DEPOSITED REFRACTORY TILE FOR OPEN-SPACED BOILER TUBES

## ETCHING

CEMENTED TUNGSTEN CARBIDE SUBSTRATES HAVING ADHERENT CHARACTERISATION OF REACTIVE ION ETCHING-INDUCED CHEMICAL ETCHING OF  $\text{AlN}$  AND  $\text{InAlN}$  IN KOH SOLUTIONS CHLORINE-BASED PLASMA ETCHING OF  $\text{GaIn}$  CMOS TRANSISTOR WITH TWO-LAYER INVERSE-T TUNGSTEN GATE COMPARISON OF ICI AND IB- FOR DRY ETCHING OF SiC DEVICE ISOLATION METHOD OF SEMICONDUCTOR DEVICE DEVICE ISOLATION TECHNOLOGY BY LIQUID PHASE DEPOSITION DEVICE PROCESSING OF WIDE BAND GAP SEMICONDUCTORS-- DIGITAL ETCHING OF  $\text{GaAs}$ : THE MECHANISM AND THE DRAIN CELL WITH A COMB-TYPE CAPACITOR DRY ETCHING OF  $\text{AlxGa}_{1-x}\text{N}$  USING CHEMICALLY ASSISTED ION DRY ETCHING OF TRANSPARENT ELECTRODES IN A LOW DRY SILICON ETCHING FOR MEMS DUAL POLY-GATE DEEP SUBMICRON CMOS WITH BURIED CONTACT ESO PROTECTION DEVICE FOR AMPLIFIERS WITH TOP ETCHING OF CERAMIC MATERIALS WITH AN ELEVATED THIN ETCHING OF MELT-PROCESSED  $\text{Yb}_2\text{O}_3/\text{Cu}_3\text{O}_7$ -DELTA FOR SEM ETCHING OF POLYCRYSTALLINE DIAMOND FILMS BY ELECTRON ETCHING OF RF MAGNETRON-SPUTTERED INDIUM TIN OXIDE ETCHING OF (0001) HABIT FACES AND MATCHED CLEAVAGES OF ETCHING TECHNIQUE FOR PRODUCING CUBIC BORON NITRIDE EVALUATION OF DEEP ETCHING TECHNIQUES FOR SILICON FABRICATION METHOD OF SUPERCONDUCTING QUANTUM FAULT GLASS IN WHICH PRODUCT AND PROCESS OF PREPARING SAME FLUORINE-DOPED PLASMA-ENHANCED PHOSPHOSILICATE GLASS FORMATION OF DRY ETCHED GRATINGS IN  $\text{GaIn}$  AND  $\text{InGaIn}$  GROWING AND RELEASING DIAMONDS HERMETIC PACKAGING WITH OPTICAL GLASS WINDOW HIGHLY ANISOTROPIC, ULTRASHARP PATTERNING OF  $\text{GaIn/SiC}$  HIGH-TEMPERATURE SILICON OXIDE ETCHING METHOD HYBRID OF LOCAL OXIDATION OF SILICON ISOLATION AND IN SITU ETCHING AND CHEMICAL BEAM EPITAXY OF LAYERED POLYSILICON DEPOSITION METHOD LOCOS METHOD WITH DOUBLE POLYSILICON/Si3N4 SPACER METHOD FOR MEASUREMENT OF SEMICONDUCTOR WITH FIELD OXIDE METHOD AND APPARATUS FOR ETCHING TITANATE WITH ORGANIC METHOD AND APPARATUS FOR FABRICATING SUPERCONDUCTOR METHOD FOR ETCHING BORON NITRIDE METHOD FOR FABRICATING FERROELECTRIC DOMAIN REVERSALS METHOD FOR FABRICATING ISOLATION REGION FOR A METHOD FOR FORMING AN IMPROVED FIELD ISOLATION METHOD FOR FORMING ELEMENT ISOLATION INSULATING FILM METHOD FOR FORMING FIELD OXIDE REGIONS METHOD FOR FORMING A STEP ON A DEPOSITION SURFACE OF A METHOD FOR ISOLATING SEMICONDUCTOR ELEMENTS METHOD FOR MAKING CIRCULAR TUBULAR CHANNELS WITH TWO METHOD FOR MAKING SURFACE RELIEF PROFILES METHOD FOR MANUFACTURING CONTACT STRUCTURE CAPABLE OF METHOD FOR MANUFACTURING A LOW VOLTAGE DRIVEN FIELD METHOD FOR MANUFACTURING A SEMICONDUCTOR INTEGRATED METHOD FOR MANUFACTURING A SEMICONDUCTOR MEMORY CELL METHOD FOR PRODUCING HIGH EFFICIENCY LIGHT-EMITTING METHOD FOR PRODUCING HIGH-TEMPERATURE SUPERCONDUCTING METHOD FOR PROVIDING TRENCH ISOLATION AND BORDERLESS METHOD FOR THE FABRICATION OF FLUORIDE GLASS SINGLE METHOD OF ELIMINATING BURIED CATHODE TRENCH IN SRAM METHOD OF ETCHING AN OXIDE LAYER METHOD OF ETCHING SILICON CARBIDE METHOD OF FABRICATING FIELD EFFECT TRANSISTORS HAVING METHOD OF FABRICATING SEMICONDUCTOR DEVICE HAVING METHOD OF FABRICATING A TOOTH-SHAPE CAPACITOR MODE METHOD OF FORMING CONCURRENT TPO OXIDES USING METHOD OF FORMING A FIELD OXIDE FILM IN A METHOD OF FORMING NITRIDE SIDEWALLS HAVING SPACER FEET METHOD OF MAKING CEMENTED CARBIDE SUBSTRATE METHOD OF MAKING SEMICONDUCTOR DEVICE WITH MULTIPLE METHOD OF MAKING A TOOTH-SHAPE CAPACITOR METHOD OF MAKING A TOOTH-SHAPE CAPACITOR USING ION METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE METHOD OF MONITORING AND CONTROLLING A SILICON NITRIDE METHOD OF SHARPING A POLYCRYSTALLINE DIAMOND BODY METHOD TO FORM A CAPACITOR HAVING MULTIPLE PILLARS FOR METHODS FOR FORMING A CONTACT IN A SEMICONDUCTOR MICROMACHINING MINUTE HOLLOW USING NATIVE OXIDE MONOLITHIC THERMAL DETECTOR WITH PYROELECTRIC FILM AND PASSIVATION METHOD AND STRUCTURE USING HARD CERAMIC PATTERNING OF  $\text{Li}_2\text{O}_2$  AND  $\text{LiAlO}_2$  BY WET AND DRY ETCHING

76-00641A  
76-03021C  
76-03023C  
76-01309A  
76-08228A  
76-05920P  
76-03800A

76-05532P  
76-03121P  
76-02549A  
76-06252C  
76-08282P  
76-07132C  
76-00837P  
76-04215P  
76-05122P  
76-07172C

76-04747A  
76-01284A  
76-07340A  
76-00235P

76-00382C  
76-02805A  
76-00412C  
76-01687P  
76-02271A  
76-04444A  
76-00158P  
76-04733A  
76-00459C  
76-08282A  
76-05058A  
76-05090P  
76-07314A  
76-02896A  
76-02965P  
76-06693P  
76-07473C  
76-06159A  
76-05071A  
76-00559P

76-02052P  
76-03155A  
76-07544C  
76-07545C  
76-05533P  
76-07547C  
76-05537P  
76-02072P  
76-03171C  
76-03174C  
76-00768P  
76-03175A  
76-08999P  
76-06399C  
76-07738P  
76-07738P  
76-06596P  
76-09003P  
76-03532A  
76-08157A  
76-03697A  
76-01020A  
76-02072P  
76-06414C  
76-08078P  
76-08080P  
76-07249P  
76-03195A  
76-04568P  
76-00831P  
76-03208A  
76-08606P  
76-07745P  
76-03222C  
76-07752P  
76-07754P  
76-08383P  
76-09032P  
76-05785P  
76-01334P  
76-07989P  
76-05569P  
76-09036P  
76-05562P  
76-07766P  
76-01110P  
76-03324A  
76-04588P  
76-03813P  
76-07773P  
76-07775P  
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76-07779P  
76-05570P  
76-05788P  
76-07498P  
76-07261P  
76-07787P  
76-02114P  
76-04601P  
76-05575P  
76-07792P  
76-07497P  
76-09060P  
76-08046P  
76-07797P  
76-09064P  
76-03332P  
76-07504P  
76-07505P  
76-05589P  
76-05584P  
76-09072P  
76-07510P  
76-07817P  
76-09076P  
76-09397P  
76-03383P  
76-07666C

- PHOTOASSISTED ANODIC ETCHING OF GALLIUM NITRIDE GROWN  
PHOTOLUMINESCENCE IN POROUS SPUTTERED POLYSILICON  
PLASMA ETCH EQUIPMENT  
PLASMA ETCH PROCESS AND TISI SUBSTRATE LAYERS MADE USING  
PROCESS FOR FABRICATING METAL-OXIDE SEMICONDUCTOR  
POLY-BUFFERED LOCOS  
POROUS SILICON CARBIDE (SiC) SEMICONDUCTOR DEVICE  
POST-GATE LOCOS  
PREPARATION OF PZQ FLUORIDE GLASS CHANNEL WAVEGUIDES  
PROCESS FOR FABRICATING METAL-OXIDE SEMICONDUCTOR  
PROCESS FOR MANUFACTURING INTEGRATED CIRCUIT WITH  
REACTIVE ION BEAM ETCHING OF GaN GROWN BY MOVPE  
RESIDUAL DAMAGE EFFECTS ON GATE CONTACTS FORMED ON SiC  
SELECTIVE ETCHING PROCESS  
SELECTIVE INSULATION ETCHING FOR FABRICATING  
SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE  
SILICON ETCHING METHOD  
SOI SUBSTRATE FABRICATION  
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- 76-07669C  
76-03267A  
76-03819P  
76-06708P  
76-06709P  
76-06712P  
76-00861P  
76-06716P  
76-07225C  
76-05603P  
76-05604P  
76-07680C  
76-03276A  
76-06763P  
76-08104P  
76-05609P  
76-09129P  
76-07526P  
76-05628P  
76-04673P  
76-06782P  
76-09137P  
76-07870P  
76-03301C
- 76-08404A  
76-02414A  
76-02316A  
76-04850A  
76-09298A  
76-05353A  
76-02323A  
76-02324A  
76-02325A  
76-04860B  
76-03226A  
76-06216A  
76-02331A  
76-02334A  
76-06879A  
76-03226C  
76-04870A  
76-04880A  
76-04882A  
76-04884A  
76-06883A  
76-03030C  
76-09310A  
76-09311A  
76-02340C  
76-04887C  
76-02341C  
76-01462A  
76-02426C  
76-06887A  
76-02889C  
76-04908A  
76-06893A  
76-02914A  
76-05438C  
76-07229B  
76-03099C  
76-06354A  
76-07342A  
76-06033C  
76-06038C  
76-05026A  
76-02390A  
76-06480C  
76-07220C  
76-09002P  
76-07562C  
76-07584C  
76-04305P  
76-01673P  
76-01685P  
76-08750P  
76-06195P  
76-01692P  
76-00707A  
76-01702P  
76-01709P  
76-02869P  
76-04678P  
76-06980P  
76-06942A  
76-04230A  
76-05821C  
76-01354A  
76-04096C  
76-02993A  
76-04897A  
76-02890A  
76-03009A  
76-02387A  
76-00080C  
76-05928A  
76-01197C  
76-04432A  
76-08036A  
76-05005A  
76-05880A  
76-05069A  
76-02846A  
76-05286A  
76-03738C  
76-01732A  
76-03676A  
76-03700A
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- 76-06999A  
76-05844A  
76-04250C  
76-03704A  
76-08044A  
76-03966A  
76-06441C  
76-05861C  
76-04130C  
76-02512A  
76-01331P  
76-03731A  
76-09054P  
76-03047A  
76-02512A  
76-01339P  
76-01270C  
76-09105P  
76-06758P  
76-01642C  
76-08846A  
76-06335C  
76-03603A  
76-03769A  
76-04495A  
76-01886A  
76-08961C  
76-06557P  
76-09074P  
76-06278P  
76-05960P  
76-06549P  
76-06552P  
76-05472P  
76-06552P  
76-05084P  
76-06894P  
76-06390C  
76-07560C  
76-01392C  
76-06330C  
76-06959P  
76-03533C  
76-09004P  
76-07197C  
76-07199P  
76-07755P  
76-09022P  
76-06743P  
76-03320P  
76-07339P  
76-06638P  
76-06930P  
76-06655P  
76-07789P  
76-07123C  
76-05575P  
76-07793P  
76-05582P  
76-06675P  
76-07812P  
76-07812P  
76-06459C  
76-05528C  
76-08830P  
76-07123C  
76-05918P  
76-06722P  
76-06732P  
76-06745P  
76-07339P  
76-09123P  
76-07841P  
76-07851P  
76-07852P  
76-07852P  
76-06764P  
76-04738A  
76-05625P  
76-07527P  
76-07241C  
76-06955P  
76-06789P  
76-05118P  
76-04775C  
76-07125A  
76-04779C  
76-02770C  
76-04743A  
76-02297A  
76-00593A  
76-07127C  
76-05925A  
76-09214C  
76-04783A  
76-04754C  
76-04242A  
76-02258A  
76-06468A  
76-08657A  
76-06219A  
76-09217A  
76-04755A  
76-04757A  
76-04758C  
76-02208A  
76-03938C  
76-04244A  
76-04766C  
76-01746A  
76-06393A  
76-04777C  
76-08495C  
76-03228A  
76-0178A  
76-07001A

- GROWTH AND FATIGUE PROPERTIES OF PULSED LASER HIGH FREQUENCY FATIGUE TESTING OF FERROELECTRIC THIN HIGH TEMPERATURE CREEP AND FATIGUE BEHAVIOUR OF HIGH TEMPERATURE TENSILE TESTING OF POLYCRYSTALLINE HIGH-TEMPERATURE FATIGUE IN ADVANCED CERAMICS HIGH-TEMPERATURE FATIGUE OF GAS-PRESSURE-SINTERED "INERT" STRENGTHS OF SILICON NITRIDE CERAMICS AT INFLUENCE OF INTERFACIAL SLIDING STRESS ON FATIGUE INFLUENCE OF LOAD REVERSALS UPON THE STEADY GROWTH OF INTERMEDIATE TEMPERATURE ENVIRONMENTAL EFFECTS ON MECHANICAL BEHAVIOUR OF AN ALUMINA FIBRE REINFORCED MICROSTRUCTURAL STUDIES OF BURNER-IGNITION THERMALLY PLASTIC FLOW-INDUCED FRACTURE THEORY FOR FATIGUE CRACK PRELOADING TECHNIQUE IN DYNAMIC FATIGUE TESTING OF PROTOTYPE OF A PRETING FATIGUE TEST MACHINE FOR QUASI-STATIC AND FATIGUE DAMAGE ACCUMULATION IN A REVERSE CYCLIC FATIGUE OF A HOT ISOSTATICALLY PRESSED S-CURVE-BEHAVIOUR AND TEMPERATURE INCREASE OF CERAMIC SILICON NITRIDE CERAMIC HAVING HIGH FATIGUE LIFE AND STRESS ANALYSIS OF SLOW SWIRL CHAMBER DURING THERMAL SUBCRITICAL CRACK GROWTH AND THRESHOLDS IN A 3Y-TZP SUBCRITICAL CRACK-GROWTH BEHAVIOUR OF BOROSILICATE TENSILE AND CYCLIC FATIGUE BEHAVIOUR OF A TENSION-COMPRESSION CYCLIC FATIGUE OF TITANIUM THERMAL FATIGUE DAMAGE ACCUMULATION IN  $\text{MoSi}_2$  AND THERMAL FATIGUE LIFETIME PREDICTION FOR CERAMIC TOOL THERMAL FATIGUE RESISTANCE OF PROTECTIVE COATINGS FOR THERMALLY ENHANCED BALL GRID ARRAY PACKAGE
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- FELDSPAR**  
GROUPE MINERAL HARWANNE, KAOLIN, FELDSPAR & QUARTZ MIXED FELDSPAR FOR CERAMIC FLOOR TILES AND POTASSIUM FELDSPAR WITH LOW-IRON AND SODIUM CONTENTS PROCESSING OF QUARTZ AND FELDSPAR FOR THE CERAMICS RECYCLING OF GRANITE PROCESSING WASTE FOR FELDSPAR SODIUM FELDSPAR DEPOSIT FOR UNGLAZED STONEWARE AT
- FERMI SURFACE**  
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- FERRIMAGNETICS**  
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- FERRITES**  
ALIGNED HEXAGONAL FERRITE FIBRES OF  $\text{Co}_2\text{W}$ ,  $\text{BaCo}_2\text{Fe}_{16}\text{O}_{27}$  BALL MILLING OF BARIUM FERRITE IN AIR AND VACUUM CARBON-BEARING NICKEL(II) FERRITE: A TAILOR-MADE SOLID CHARACTERIZATION AND LOW-TEMPERATURE SINTERING OF CO-COATED ACICULAR MAGNETIC PARTICLES AND PROCESS FOR DEPENDENCE OF COMPACTION BEHAVIOUR OF SPRAY-DRIED DEPOSITION OF POLYCRYSTALLINE  $\text{BaFe}_{12}\text{O}_{19}$  THIN FILMS BY DEVELOPMENT OF FERRITE RAIL POWDER PRODUCTION PROCESS EFFECT OF  $\text{CaO}$  AND  $\text{SiO}_2$  ADDITION ON THE ELECTROKINETIC EFFECT OF ISOVALENT AND HETEROVALENT SUBSTITUTION IONS EFFECT OF MAGNETIC ORDER ON ELECTRICAL PROPERTIES OF EFFECT OF pH ON THE PREPARATION OF MANGANESE ZINC EFFECT OF THE REAL STRUCTURE OF HAEMATITE ON THE EFFECT OF  $\text{Ti}^{4+}$  IONS ON SOME MAGNETIC PROPERTIES OF EFFECT OF VACUUM COOLING ON THE ELECTRICAL PROPERTIES ELECTRICAL AND MICROSTRUCTURAL CHARACTERISATION OF ELECTRICAL PROPERTIES OF L-TI FERRITES ELECTRICAL PROPERTIES OF Y-TYPE HEXAGONAL FERRITE
- ELECTRICAL PROPERTIES OF  $\text{Zn}^{4+}$ -SUBSTITUTED  $\text{Mg-Zn}$  EPITAXIAL GROWTH AND MAGNETIC BEHAVIOUR OF  $\text{NiFe}_2\text{O}_4$  EPR STUDIES OF SOME  $\text{Mn-Zn}$  FERRITES ETCHING OF (0001) HABIT FACES AND MATCHED CLEAVAGES OF FERRIMAGNETIC CORE MATERIALS FOR MEGAHERTZ FREQUENCY FERRITE CARRIER FOR ELECTROPHOTOGRAPHIC DEVELOPER AND FERRITE COMPOSITIONS FOR USE IN A MICROWAVE OVEN FERRIMAGNETIC FINE POWDER FOR MAGNETIC RECORDING FLEXIBLE MAGNET GLASS-ADDED STRONTIUM FERRITE OF HIGH COERCIVITY GPS NAVIGATION AND DIFFERENTIAL CORRECTION BEACON HEAT TREATMENT OF STRONTIUM HEXAFERRITE POWDER IN HEXAGONAL  $\text{Ba}$ -FERRITE SINTERED MAGNET, ITS MAKING HEXAGONAL MAGNETIC FERRITE PIGMENT FOR HIGH DENSITY
- HIGH-DENSITY MAGNETIC RECORDING MEDIUM CONTAINING HISTORY OF AND NEW DEVELOPMENTS IN SHS HYDROTHERMAL CONVERSION OF AMORPHOUS  $\text{NiFe}_2\text{-xAl}_x(\text{OH})_3$  IMPEDANCE MEASUREMENT OF SINGLE-CRYSTALLINE AND INFLUENCE OF IRON OXIDE REACTIVITY ON MICROSTRUCTURE INFLUENCE OF SINTERING ADDITIVES ON THE HUMIDITY INNOVATIVE FIRING UNIT FOR FERRITE PRODUCTION INTEGRATED CIRCUIT PACKAGING LEVITATION SYSTEM USING PERMANENT MAGNETS FOR USE WITH LOW SPECIFIC GRAVITY BINDER FOR MAGNETS MAGNETIC AND ELECTRICAL PROPERTIES OF METAL/FERRITE MAGNETIC  $\text{Co}_2\text{Zr}$  FERRITE  $\text{BaCo}_2\text{Fe}_{12}\text{O}_{22}$  FIBRES PRODUCED BY MAGNETIC PROPERTIES OF  $\text{Co}_2\text{Zr}$  FOR ULTRA HIGH FREQUENCY MAGNETIC PROPERTIES OF  $\text{Ni-Zn}$  FERRITES DOPED WITH  $\text{Ti}^{4+}$  MAGNETIC PROPERTIES OF  $\text{Sr}_0.75\text{Ba}_0.25\text{Fe}_{12}\text{O}_{19}$  HEXAFERRITE MAGNETIC RECORDING MEDIUM MAGNETIC RECORDING MEDIUM COMPRISING A CARBON MAGNETIC RECORDING MEDIUM HAVING A MAGNETIC LAYER MAGNETIC RECORDING POWDER HAVING LOW CURIE TEMPERATURE MAGNETIC STIRRING SYSTEM MAGNETIC TAPE HEAD WITH A HIGH SATURATION FLUX DENSITY MAGNETO-OPTICAL RECORDING APPARATUS INCLUDING A MAGNETOPLUMBIUM FERRITE PARTICLES FOR MAGNETIC CARD METHOD FOR ESTABLISHING A TARGET MAGNETIC PERMEABILITY METHOD FOR PREPARATION OF FERRITE POWDERS AT ROOM METHOD OF MAKING A FERRITE/SEMICONDUCTOR METHOD OF MAKING FERROELECTRIC-FERROMAGNETIC COMPOSITE METHOD OF MANUFACTURING FERRITE MAGNETS FOR MOTORS METHOD OF MANUFACTURING A MULTIPLE TRACK THIN-FILM METHOD OF PRODUCING CAST MAGNETIC SOFT FERRITE METHOD OF PRODUCING FERRITE MAGNET MICROSTRUCTURE OF  $(\text{Fe}_{0.2}\text{Co}_{0.8})_2\text{Fe}_{12}\text{O}_{22}$  A MIXED VALENCY CHARACTER OF BISMUTH FERRITE LATTICES NANOSCALE COATING OF SILICON AND MANGANESE ON Ni FERRITE AND CORE MADE OF Ni FERRITE FOR POWER Ni-Zn FERRITE SPINEL: CHARACTERISATION AND EVALUATION NONMAGNETIC SINGLE-CRYSTAL  $\text{Mn-Zn}$  FERRITE FOR FLOATING NOVEL AQUEOUS SOL-GEL PREPARATION AND CHARACTERISATION OPTIMISED EVALUATION OF ZN-FERRITE GRANULATES PHASE COMPOSITION AND MAGNETIC PROPERTIES OF PRELIMINARY DATA ON SOLID SOLUBILITY BETWEEN  $\text{LaCoO}_3$  PREPARATION OF BARIUM FERRITE NANOCRYSTALLINE POWDERS PREPARATION OF  $\text{NiFe}_2\text{O}_4$  POWDER BY SPRAY PYROLYSIS PREPARATION OF SPINEL FERRITES WITH SPHERICAL PROCESS FOR MAKING ULTRAFINE BARIUM HEXAFERRITE
- 76-05660A  
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76-09234C  
76-08288C  
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76-04797C  
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76-04830C  
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76-06867A  
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76-07995P  
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76-02657A



- PHASIC AND MICROSTRUCTURAL DEVELOPMENTS OF  
PIEZOELECTRIC PROPERTIES AND EQUIVALENT CIRCUITS OF  
PRECURSOR SOLUTION SYNTHESIS OF MODIFIED LEAD TITANATE  
PREPARATION AND CHARACTERISATION OF PLZT THIN FILMS BY  
PREPARATION OF  $Pb(Zr_{0.52}Ti_{0.48})O_3$  THIN FILMS ON  
PREPARATION OF PYROCHLORE-FREE LEAD MAGNESIUM NIOBATE  
PROCESS INTEGRATION FOR NONVOLATILE FERROELECTRIC  
PROCESSING AND CHARACTERISATION OF  $Pb(Zr_{0.7}Ti_{0.3})O_3$  FILMS  
PROCESSING AND SINTERING OF  $CuBi_4Ti_{10}O_{15}$  POWDERS FOR  
PROPERTIES AND STRUCTURES OF  $TiO_2$  BASED GLASSES  
PYROELECTRIC RESPONSE OF Nb-DOPED  $PtZr$  CERAMICS NEAR  
PZT THIN FILMS FOR FERROELECTRIC CAPACITOR AND METHOD  
RARE EARTH MANGANESE FILMS MADE BY METALORGANIC  
RELATIONSHIP BETWEEN DOMAIN SWITCHING AND ACOUSTIC  
SINTERING AND DIELECTRIC PROPERTIES OF FERROELECTRIC  
SOLUTION DEPOSITION OF FERROELECTRIC THIN FILMS  
SPUTTER SYNTHESIS OF FERROELECTRIC FILMS AND  
STOICHIOMETRIC DEPENDENCE OF THE AGEING PHENOMENA IN  
STRUCTURAL AND DIELECTRIC STUDY OF THE  
STRUCTURE AND DEVICE CHARACTERISTICS OF  
STRUCTURE AND PROPERTIES OF  $LiTiO_3$  TYPE SOLID  
STRUCTURE OF 80 DEGREE DOMAIN WALLS IN FERROELECTRIC  
STUDIES OF MOSSBAUER SPECTRUM ON  $Pb(Zr_{0.7}Ti_{0.3})O_3$   
SYNTHESIS AND CHARACTERISATION OF LEAD MAGNESIUM  
SYNTHESIS AND PHASE TRANSITION OF FERROELECTRIC  
SYNTHESIS, CHARACTERISATION, AND PROPERTIES OF  
SYNTHESIS OF PYROCHLORE-FREE  $0.9Pb(Mg_{1/3}Nb_{2/3})O_{3-0.1}$   
THERMAL EXPANSION ANOMALIES AT THE  
THICKNESS DEPENDENCE OF FERROELECTRIC PROPERTIES OF  
THIN-FILM FERROELECTRIC VARACTOR  
TRANSMISSION ELECTRON MICROSCOPY OF THE  
USE OF FERROELECTRIC HYSTERESIS PARAMETERS FOR  
VACANCY EFFECTS ON DIELECTRIC PROPERTIES OF  
XPS STUDY ON COMPOSITION AND STRUCTURE OF EPITAXIAL  
X-RAY AND DIELECTRIC STUDIES OF  $Pb_{0.9}Ca_{0.1}TiO_3$
- FERROMAGNETIC MATERIALS**  
FERROMAGNETIC FINE POWDER FOR MAGNETIC RECORDING  
PROCESS FOR PRODUCTION OF A MAGNETIC HEAD
- FERROMAGNETIC PROPERTIES**  
PREPARATION OF NANOCOMPOSITE MATERIALS CONTAINING WS<sub>2</sub>
- FERROMAGNETICS**  
EFFECT OF THE MAGNETISATION PROCESSES ON MAGNETIC  
FERROMAGNETIC BIOGLASS-CERAMICS  
GADOLINIUM FERROMAGNETIC MESOPARTICLES FROM GELS  
GLASS-ADDED STRONTIUM FERRITE OF HIGH COERCIVITY  
LOW-TEMPERATURE-COPIED-CERAMIC (LTCC) TAPE STRUCTURES  
MAGNETIC CARRIER FOR ELECTROPHOTOGRAPHY  
METHOD OF MAKING COMPOSITE CERMET ARTICLES AND THE  
METHOD OF MAKING FERROELECTRIC-FERROMAGNETIC COMPOSITE  
SPONTANEOUS FERROMAGNETISM AT ROOM TEMPERATURE IN  
SYNTHESIS OF A SPINEL TYPE FERROMAGNETIC  
TWO-AXIS MAGNETIC SENSOR USING A PIEZOELECTRIC SUPPORT
- FIBRE REINFORCEMENT**  
APPARATUS FOR PRODUCTION OF CERAMICS REINFORCED WITH  
APPARATUS FOR THE FABRICATION OF FIBRE COMPOSITES WITH  
BRAKE ROTORS DRUMS AND BRAKE PADS PARTICULARLY ADAPTED  
CARBON FIBRE-REINFORCED CARBON/CARBON COMPOSITE AND  
CERAMIC FIBRE-REINFORCED FILTER  
COMPOSITES FOR WEAR  
COMPOSITION FOR USE IN MANUFACTURING MOULDED CERAMIC  
DEVELOPMENT OF MOLDED CARBONATE FIBRE CELL MATRIX BY  
FASTENING ELEMENT IN THE FORM OF A FIBRE-REINFORCED  
FIBRE-REINFORCED CERAMIC MATRIX COMPOSITE MEMBER AND  
FIBRE-REINFORCED COMPOSITE WITH SHEET SILICATE  
FIBRE-REINFORCED GLASS MATRIX COMPOSITES WITH  
FIBRE-REINFORCED PLASTIC (FRP)-CONCRETE COMPOSITE  
GLASS FIBRE SIZING COMPOSITIONS, SIZED GLASS FIBRES  
HIGH FLEXURAL STRENGTH CARBON FIBRE REINFORCED SILICON  
METHOD FOR MAKING FIBRE-REINFORCED CERAMIC MATRIX  
OXIDATIVE STABLE CERAMIC COMPOSITES  
PROCESS FOR MAKING A HYBRID CERAMIC ARTICLE  
PROCESS FOR PRODUCING SANDWICH STRUCTURES FROM  
PSEUDO-POROUS FIBRE COATING FOR TOUGHENED CERAMIC  
SILICON CARBIDE COMPOSITE WITH COATED FIBRE
- FIBRES**  
ALIGNED HEXAGONAL FERRITE FIBRES OF  $Co_2W$ ,  $BaCo_2Fe_{16}O_{27}$   
ALUMINA FIBRE FROM COCOINUT COIR  
ALUMINA FIBRE INSULATION MODULES IMPROVE EFFICIENCY OF  
ALUMINIUM OXIDE FIBRES IN HIGH-TEMPERATURE TECHNOLOGY,  
AMORPHOUS SILICON OXYCARBIDE COATED SILICON CARBIDE OR  
ANGULAR FILAMENTARY STRUCTURES AND METHODS OF MAKING  
APPLICATION OF CARBON FIBRE TO CERAMIC MATRIX  
BINDER FOR FIBRE-REINFORCED COMPOSITES  
BORON FIBRE OXIDATION  
CALCIUM ALUMINATE WOOL, A NEW FIBRE FOR HIGH  
CARBON COMPOSITE BIOMATERIALS  
CAST REFRACTORY BASE SEGMENTS AND MODULAR FIBRE SEAL
- CERAMIC FABRIC FORMING METHOD  
CERAMIC FABRIC-REINFORCED FIBRE/MICROPARTICLE CERAMIC  
CERAMIC FIBRE PAPERS SOLVE TRANSPORTATION CHALLENGES  
CERAMIC FIBRES FOR FUNCTIONAL COMPOSITE MATERIALS  
CERAMIC FIBRES PRODUCED BY ELECTROPHORETIC DEPOSITION  
CERAMIC-PARTICLE-DISPERSED METALLIC MEMBER  
CHANGE IN REFRACTIVE INDEX OF A BOROSILICATE GLASS  
CHARACTERISATION OF LOW-OXYGEN SIC FIBRE FIRED AT  
CHARACTERISATION OF REFRACTORY MATERIALS USING  
CHARACTERISTICS OF A CONTINUOUS  $Si-Ti-C$  FIBRE WITH  
CHEMICAL ASPECTS IN THE TOXICITY OF MINERAL DUSTS AND  
CHEMICAL FORMATION OF CERAMICS  
CHEMICAL VAPOUR DEPOSITION OF SILICON CARBIDE ON  
COMPOSITE MATERIALS USING BONE BIOACTIVE GLASS AND  
CONTRIBUTION OF EPIDEMIOLOGY TO THE STUDY OF  
CORE ECCENTRICITY ERROR OF OPTICAL FIBRE FABRICATED BY  
CORRELATION BETWEEN MICROSTRUCTURE AND MECHANICAL  
CORROBORATION AND EXTENSION OF ANALYSIS OF C-AXIS  
CREEP AND RUPTURE OF ADVANCED CERAMIC FIBRE  
CRYOGENIC HEAT PIPE  
CRYSTALLISATION DURING FIBRE EXTRACTION OF  
CRYSTALLISATION OF  $Al_2O_3-SiO_2$  GLASS FIBRE AND EFFECT  
DEFORMATION OF BASALT FIBRE MATERIALS  
DELAYED FAILURE OF CERAMIC FIBRES AT ELEVATED  
DEPOSITION OF OXIDE COATINGS ON FIBRE CLOTHS BY  
DESIGN AND PROCESSING OF ALL-OXIDE COMPOSITES  
DETERMINATION OF PARAMETERS OF CMC MATERIALS USING  
DEVELOPMENT OF CHALCOGENIDE GLASS FIBRE OPTICS AT NRL  
DEVELOPMENT OF A TWO-STAGE FORCED CHEMICAL VAPOUR  
DIAMOND FIBRE FIELD EMITTERS  
DIESEL PARTICULATE FILTER APPARATUS  
DURABILITY OF SILICA-PROTECTED CERAMICS IN COMBUSTION  
DYNAMIC ANALYSIS OF PRESSURE INFILTRATION PROCESSES  
EFFECT OF ATMOSPHERE ON PYROLYSIS OF NICKEL  
EFFECT OF FIBRE ORIENTATION ON THE DRY SLIDING WEAR OF  
EFFECT OF OXYGEN-GAS CONCENTRATION IN THE
- 76-00952A  
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76-03423A  
76-03424A  
76-07961A  
76-07962C  
76-03426A  
76-00955A  
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76-05719P  
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76-00982A  
76-07977A  
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76-06728P  
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76-08356A  
76-08357A  
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76-08358A  
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76-01939C  
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76-05927C  
76-03936C  
76-02496A  
76-03178A
- EFFECT OF RAPID HEAT TREATMENTS ON ELECTRICAL  
EFFECT OF THERMAL TREATMENT ON THE REACTIVITY OF  
EFFECTS OF INTERFACIAL ROUGHNESS ON FIBRE PUSH-OUT  
ELECTRICAL PERCOLATION PHENOMENA IN CEMENT COMPOSITES  
ELECTROPHORETIC DEPOSITION OF MULLITE IN A CONTINUOUS  
EMBEDDED OPTICAL FIBRE SENSORS IN CMC AND MMC  
ENVIRONMENTAL EFFECTS ON CREEP AND STRESS-RUPTURE  
EXPERIMENTAL INVESTIGATION ON THE POTENTIAL USE OF  
EXTRACTION AND IDENTIFICATION OF ORGANIC FIBRES FROM  
FABRICATION OF FLUORIDE SINGLE-MODE FIBRES FOR OPTICAL  
FABRICATION OF LARGE PREFORMS FOR LOW-LOSS SINGLE-MODE  
FABRICATION OF OPTICAL FIBRE PREFORM BY CIP FORMING  
FASTENING ELEMENT IN THE FORM OF A FIBRE-REINFORCED  
FIBRE STRENGTH SELECTION AND THE MECHANICAL RESISTANCE  
FIBRES AND CERAMIC-MATRIX COMPOSITES FROM POLYMER  
FIBRES FROM SOL-GEL  
FIBROUS GROWTH OF TRICALCIUM PHOSPHATE CERAMICS  
FIBROUS ZEOCLITE AND PREPARATION METHOD THEREOF  
FILAMENT WINDING OF  $Sic(FIBRE)/Si_3N_4$  COMPOSITES -  
FIRE PROTECTION DEVICE HAVING A PROTECTIVE OUTER LAYER  
FRACTOGRAPHIC ANALYSIS OF VITREOUS CALCIA-ALUMINA  
FRAGMENTATION IN ALUMINA FIBRE REINFORCED EPOXY MODEL  
GLAZED CERAMIC FIBRE MATERIALS  
GRAIN GROWTH AND STRENGTH DEGRADATION OF  $Sic$   
GROWTH OF  $YTiO_7$  SINGLE CRYSTAL FIBRES AND EVALUATION  
HIGH TEMPERATURE SAPPHIRE OPTICAL FIBRE  
HIGH TEMPERATURE THERMAL INSULATION WOOLS: THEIR  
HIGHLY INSULATIVE CEMENTITIOUS MATRICES AND METHOD  
HIGH-TEMPERATURE CERAMIC ARTICLES HAVING CORROSION  
HIGH-TEMPERATURE STABLE CONTINUOUS FILAMENT
- 76-06002C  
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76-00031A  
76-04105C  
76-03952C  
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76-04987A  
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76-07197C  
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76-01688P  
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76-06007C  
76-03954C  
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76-04564P  
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76-00158P  
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76-08867P  
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76-049413A  
76-04623P  
76-03736A  
76-03994A  
76-07121C  
76-03995A  
76-06038A  
76-06040C  
76-07216A  
76-06043C  
76-02689P  
76-06044A  
76-02141P  
76-08556A  
76-08715P  
76-01269C  
76-08394C  
76-02372A  
76-09260A  
76-08398C  
76-04003A  
76-04005A  
76-08400C  
76-04008A  
76-01982A  
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76-01523A  
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76-05734P  
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76-02160P  
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76-08384A  
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76-04062P  
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76-04660P  
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76-06782P  
76-01997A  
76-05307P  
76-01530A  
76-06784A  
76-02940A  
76-06266C  
76-01531A  
76-06070C  
76-06071C  
76-08414A
- HUMAN HEALTH HAZARDS OF DUSTS AND FIBRES  
HYBRIDISED FABRICATION OF OPTICAL FIBRES BY EXTRUSION  
IMMOBILISATION OF UREASE ON COMPOSITE FIBRE BY USING A  
IN SITU DEPOSITION OF SILICALITE-1 ON ZrO<sub>2</sub> FIBRES  
INDUCTION OF MESOTHELIOMA AFTER INTRAPLEURAL  
INFRARED STUDIES OF CALCIA-ALUMINA FIBRES  
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INORGANIC FIBRES AND MICROFABRICATED PARTS BY LASER  
INORGANIC SOL GEL SYNTHESIS OF ZIRCONIUM TITANATE  
INTERACTIONS BETWEEN FIBRES AND BIOLOGICAL  
INTERDENDRITIC SPACING AND VOLUME FRACTION OF  
INTERFACE COATING FOR CERAMIC FIBRES  
INTUMESCENT COMPOSITIONS  
INVISID MELT-SPUN HIGH-TEMPERATURE ALUMINA-MAGNESIA  
JOINING OF  $Si-Ti-C$  FIBRE-ASSEMBLED CERAMIC  
KIND OF SINGLE CHIP COMPUTER AUTOCONTROL SYSTEM USED  
LOW-COST SILICA TEXTILES FOR GLASS FIBRE REINFORCEMENT  
LOW-DENSITY RESIN IMPREGNATED CERAMIC ARTICLE AND  
MAGNETIC  $Co_2Y$  FERRITE  $BaZrCo_2Fe_{12}O_{22}$  FIBRES PRODUCED BY  
MANMADE VITREOUS FIBRES  
MECHANICAL PROPERTIES OF  $Ti_3O_5/Al$  COMPOSITES  
MICROSCOPIC STRUCTURE OF SIC FIBRES BY NEUTRON AND  
METAL CARBIDE FIBRES  
METHOD FOR CONTINUOUS SPINNING AND PYROLYSIS OF  
METHOD FOR MAKING CERAMIC FIBRES FROM A WATER SOLUBLE  
METHOD FOR MAKING PIEZOELECTRIC COMPOSITES  
METHOD FOR PREPARING A FIBROUS ELECTRICALLY CONDUCTIVE  
METHOD FOR PRODUCING FRMC/CERAMIC FOAM PANELS  
METHOD FOR PRODUCING SILICA-ALUMINA FIBRE  
METHOD OF MAKING CERAMIC MATRIX COMPOSITE/CERAMIC FOAM  
METHOD OF MAKING A CONTINUOUS CERAMIC FIBRE-REINFORCED  
METHOD OF MANUFACTURING CERAMIC MATRIX NITRIDE  
METHOD OF MANUFACTURING A COMPOSITE MATERIAL  
METHOD OF PREPARING GLASS MICROFIBRES FOR USE IN  
METHOD TO PRODUCE FLEXIBLE CERAMIC THERMAL PROTECTION  
MICROPARTICLE ENHANCED FIBROUS CERAMICS  
MICROSTRUCTURAL STABILITY AND CREEP BEHAVIOUR OF  
MINERAL FIBRES AND THEIR COMPOSITION  
MODEL SIC-BASED FIBRE WITH A LOW OXYGEN CONTENT  
MODELS FOR THE THERMOSTRUCTURAL PROPERTIES OF SIC  
MODIFICATIONS OF ALPHA-ALUMINA UNDER HYDROTHERMAL  
MORPHOLOGY OF DUSTS AND FIBRES FROM A PATHOLOGISTS  
MOLDED ARTICLE BASED ON  $PtZr$  ( $PbZr$ ,  $TiO_2$ ), LEAD  
NANOSCALE DUCTILE GRINDING OF GLASS BY DIAMOND FIBRES  
NEW TYPE OF STONEWOOL (HT FIBRE) WITH A HIGH  
NOVEL APPROACH FOR DRAWING OPTICAL FIBRES FROM  
NOVEL AQUEOUS ROUTE FOR THE SYNTHESIS OF MULLITE  
NOVEL AQUEOUS SOL-GEL AND CHARACTERISATION  
NOVEL SYNTHESIS AND CHARACTERISATION OF SILICON  
OPTICAL FIBRE-DRAWING TEMPERATURE OF FLUOROGALLATE  
OXYGEN-FREE CERAMIC FIBRES FROM ORGANOSILICON  
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PHASE TRANSFORMATION OF CERAMIC MATRIX CERAMIC FIBRES  
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POLARISATION DEPENDENCE OF THE  $C_{3,2}$ -LINE FLUORESCENCE  
POROUS MATRIX AND METHOD OF ITS PRODUCTION  
POWDERLESS PROCESSING FOR THE PREPARATION OF  
POWDERLESS PROCESSING OF CERAMIC FIBRES  
PRELIMINARY EXPERIMENTAL FINDINGS USING  
PREPARATION AND COMPRESSIVE STRENGTH BEHAVIOUR OF  
PREPARATION AND FERROELECTRIC BEHAVIOUR OF PZT-FIBRES  
PREPARATION OF ALUMINA FIBRE BY SOL-GEL METHOD. PT.2  
PREPARATION OF  $CaF_2$  FIBRES  
PREPARATION OF HOLLOW CUBIC ZIRCONIA FIBRE BY  
PREPARATION OF MICRO-COILED SIC AND TIC FIBRES BY  
PREPARATION OF MICRO-COILED ZrC FIBRES BY VAPOUR PHASE  
PREPARATION OF  $PtTiO_3$  FIBRES USING  
PREPARATION OF THIN SECTIONS OF COATED FIBRES FROM  
PREPARATIONS AND CHARACTERISATION OF MICROPOROUS  
PROCESS AND APPARATUS FOR FORMING PERFORATED CERAMIC  
PROCESS FOR PREPARATION OF METAL CARBIDE FIBRES  
PROCESS FOR PREPARING TEXTURED CERAMIC COMPOSITES  
PROCESS FOR PRODUCING ALPHA-ALUMINA FIBRES  
PROCESS FOR PRODUCING ARTICLES OF CARBON-SILICON  
PROCESS FOR PRODUCING SILICON CARBIDE MATERIAL  
PROCESS FOR THE MANUFACTURE OF A SILICA FIBRE-BASED  
PROCESS FOR THE PRODUCTION OF SALINE-SOLUBLE VITREOUS  
PROCESSING EFFECTS ON INTERFACIAL SLIDING OF DEBONDED  
PRODUCT STEWARDSHIP REFRACTORY CERAMIC FIBRE  
PRODUCTION OF  $La$ -PEROVSKITE FIBRES FOR FELTS TO BE  
PRODUCTION OF MINERAL FIBRES  
PYROLYTIC BEHAVIOUR OF  $Si-Ti-C$  FIBRE IN ALUMINA  
RADIATION HARDENING OF PURE SILICA CORE OPTICAL FIBRES  
REACTION MECHANISMS OF SIC FIBRE SYNTHESIS FROM  
REACTOR FOR THE PRODUCTION OF SHORT CERAMIC FIBRES  
RECENT ADVANCES IN FIBRE-REINFORCED CERAMICS  
RIGIDIZED REFRACTORY FIBROUS CERAMIC INSULATION  
SCANNING FORCE MICROSCOPY STUDY OF CERAMIC FIBRES FOR  
SHAPING OF YBCO/Y<sub>2</sub>O<sub>3</sub>-MODIFIED POLY(ORGANOSILANES)  
SHRINKAGE BEHAVIOUR ON HEATING OF CERAMIC FIBRE  
 $Si-B-(N,C)$  A NEW CERAMIC MATERIAL FOR HIGH PERFORMANCE  
SIC FIBRE NICALON AND APPLICATION TO CMC  
SIC-BASED FIBRES WITH LOW FREE CARBON CONTENT  
SILICA-REINFORCED POLYMER COMPOSITES FROM MODIFIED  
SIGNIFICANCE OF TEXTURAL AND STRUCTURAL PROPERTIES OF

- SILICON CARBIDE FIBRE PREPARED FROM ACTIVATED CARBON  
SILICON NITRIDE FIBRE SYNTHESIS FROM POLYCARBOSILANE  
SILICON NITRIDE FIBRES SYNTHESIZED BY A GAS-PHASE  
SIMULATION OF LIQUID SILICON FLOW AND REACTION IN  
Si-TC-C FIBRE AND ITS APPLICATION TO CMC  
SOL-GEL PROCESSING  
SPECTROSCOPIC AND MICROSTRUCTURAL ANALYSIS OF PHASE  
STEEL FIBRE REINFORCED REFRACTORY (SFRR)  
STRUCTURAL AND MECHANICAL CHARACTERISATION OF SOME  
STRUCTURE AND THERMAL EVOLUTION OF SiC-BASED FIBRES  
STRUCTURE, COMPOSITION AND MECHANICAL BEHAVIOUR AT  
STRUCTURE OF SPINABLE SOLUTION OF TRIETHYLSILANUM  
STUDY OF CELL BEHAVIOUR ON THE SURFACES OF  
STUDY ON THE DIFFERENT REACTIVITY OF HF-PRETREATED AND  
SUBMICRON CARBON FILAMENT CEMENT-MATRIX COMPOSITES FOR  
SURFACE REACTIVITY OF INORGANIC COMPOUNDS AND  
SYNTHESIS OF FIBRES OF  $MgO-NiO$ ,  $MgO-CoO$  AND  $NiO$   
TEM STUDY OF THE SURFACE MORPHOLOGY OF EXTRACTED  
THEORETICAL AND TECHNOLOGICAL PRINCIPLES OF CREATING  
THERMAL CONDUCTIVITY OF BASALT FIBRE MATERIALS  
THERMAL CONDUCTIVITY OF FIBROUS INSULATING MATERIALS  
THERMAL INSULATION SYSTEM AND METHOD OF FORMING  
THERMAL STABILITY OF A PCS-DERIVED SiC FIBRE WITH A  
THERMAL TREATMENT OF TITANATE DERIVATIVES SYNTHESIZED  
THERMOSTABLE AND BIOLOGICALLY SOLUBLE MINERAL FIBRE  
TITANIUM NITRIDE/CARBON COATINGS ON GRAPHITE FIBRES  
TRANSMISSION ELECTRON MICROSCOPIC INVESTIGATIONS ON  
UNINTERFERED PERFORATED CERAMIC FIBRE PLATES USEFUL AS  
YIG-FIBRES AND THIN FILMS VIA SOL-GEL-PROCESSING  
**FIBROUS MONOLITHS**  
INSERTION OF FIBROUS MONOLITHIC CERAMIC COMPOSITES  
**FIELD EFFECT TRANSISTOR**  
0.5 MICROMETRE E/D  $AlGaAs/GaAs$  HETEROSTRUCTURE FIELD  
ELECTRICALLY ISOLATED SiC MOSFET  
ELEVATED TEMPERATURE GALLIUM ARSENIDE FIELD EFFECT  
METHOD FOR MAKING DYNAMIC RANDOM ACCESS MEMORY WITH  
POWER MESFET STRUCTURE AND FABRICATION PROCESS WITH  
SEMICONDUCTOR DEVICE HAVING A BURIED INSULATED GATE  
SILICON CARBIDE TRENCH MOSFET  
**FIELD EFFECT TRANSISTORS**  
BI-DIRECTIONAL BLOCKING ACCUMULATION-MODE TRENCH POWER  
COMPARISON BETWEEN THE CRYOGENIC BEHAVIOUR OF DEEP  
DEMONSTRATION OF ENHANCEMENT-MODE p-CHANNEL  $GaAs$   
DEVICE AND MANUFACTURING METHOD FOR A FERROELECTRIC  
DIAMOND FILM FIELD EFFECT TRANSISTOR  
ENHANCED BREAKDOWN VOLTAGES IN PLANAR  $GaAs$  MESFETS  
FET DEVICE WITH DOUBLE SPACER  
FIELD EFFECT TRANSISTOR INCLUDING SILICON OXIDE FILM  
FLASH EPROM MEMORY CELL WITH POLYSILICON SOURCE/DRAIN  
FREEZE-OUT EFFECTS ON THE CHARACTERISTICS OF DEEP  
HIGH PERFORMANCE FIELD EFFECT TRANSISTOR WITH LAI  
In-GaP-In-InxGa<sub>1-x</sub>As<sub>1-x</sub>Al<sub>1-x</sub>As<sub>1-x</sub> STEP-COMPOSITIONED DOPED-  
IMPACT IONIZATION RELATED PHENOMENA IN Si MOSFETS  
IMPACT OF FLOATING-BODY-INDUCED PARASITIC BIPOLAR  
INFLUENCE OF TRENCH SUBSTRATE BIAS ON THE  
ION IMPLANTATION BURIED GATE INSULATOR FIELD EFFECT  
LOW CAPACITANCE AND LOW V<sub>subt</sub> ANNUAL MOSFET DESIGN  
METHOD FOR FABRICATING A SELF-ALIGNED DOUBLE-GATE  
METHOD FOR FABRICATING OF A NONSYMMETRICAL TRANSISTOR  
METHOD FOR FORMING TRENCH LATERAL FET DEVICES  
METHOD FOR MAKING A HIGH-TEMPERATURE SUPERCONDUCTING  
METHOD OF FABRICATING BACKSIDE ILLUMINATED FET OPTICAL  
METHOD OF FABRICATING BICMOS DEVICE  
METHOD OF FABRICATING FET DEVICE WITH DOUBLE SPACER  
METHOD OF FABRICATING FIELD EFFECT TRANSISTORS HAVING  
METHOD OF FABRICATING A SELF-ALIGNED HIGH-SPEED MOSFET  
METHOD OF FABRICATING ULTRA-LARGE-SCALE INTEGRATION  
METHOD OF FORMING A CMOS CIRCUITRY  
METHOD OF FORMING A FIELD EFFECT TRANSISTOR  
METHOD OF FORMING GATE OXIDE FOR FIELD EFFECT  
METHOD OF FORMING MOSFET DEVICES WITH BURIED BITLINE  
METHOD OF FORMING A SILICON CARBIDE JFET  
METHOD OF MAKING AN FET WITH DIELECTRICALLY ISOLATED  
METHOD OF MAKING AN INSULATED GATE SEMICONDUCTOR  
METHOD OF MAKING ASYMMETRIC LOW POWER MOS DEVICES  
METHOD OF MAKING A CMOS DYNAMIC RANDOM ACCESS MEMORY  
METHOD OF MAKING COMBINED METAL OXIDE SEMICONDUCTOR  
METHOD OF MAKING A FIELD EFFECT TRANSISTOR HAVING AN  
METHOD OF MAKING SEMICONDUCTOR DEVICE HAVING SIMOX  
METHOD OF MAKING SEMICONDUCTOR DEVICE WITH METAL  
METHOD OF MANUFACTURING FET SEMICONDUCTOR DEVICES WITH  
METHOD OF MANUFACTURING FIELD EFFECT TRANSISTOR  
METHODS OF FORMING BICMOS SEMICONDUCTOR DEVICES  
MIXED MODE OUTPUT BUFFER CIRCUIT FOR CMOSIC  
MOSFET DEVICE HAVING CONTROLLED PARASITIC ISOLATION  
MULTIPLE PULSED CHANNEL-LENGTHENED MOSFET  
NEURON MOSFET WITH DIFFERENT INTERPOLYSILICON OXIDE  
NOVEL MONOLITHIC RTD/3-TERMINAL DEVICE COMBINATIONS ON  
PROCESS FOR FABRICATING A HIGH VOLTAGE MOS TRANSISTOR  
PROGRAMMABLE SEMICONDUCTOR MEMORY  
QUARTER-MICROMETRE SURFACE AND BURIED CHANNEL PMOSFET  
SCHOTTKY BARRIER MOSFET SYSTEMS AND FABRICATION  
SEMICONDUCTOR DEVICE AND METHOD FOR FABRICATION  
SEMICONDUCTOR DEVICE HAVING AN SOI STRUCTURE OF MESA  
SEMICONDUCTOR DEVICE ON AN SOI SUBSTRATE  
SEMICONDUCTOR PIEZOELECTRIC STRAIN MEASURING  
SEMICONDUCTOR SENSOR WITH SUSPENDED MICROSTRUCTURE AND  
SiC MOSFET  
SILICON CARBIDE LOCOS VERTICAL MOSFET DEVICE  
SIMPLE METHOD TO EXTRACT THE LENGTH DEPENDENT MOBILITY  
SUPER SELF-ALIGN PROCESS FOR FABRICATING SUBMICRON  
SURFACE BREAKDOWN REDUCTION BY COUNTER-DOPED ISLAND IN  
THRESHOLD ADJUSTMENT IN FIELD EFFECT SEMICONDUCTOR  
TRENCH MOS-GATED DEVICE WITH A MINIMUM NUMBER OF MASKS  
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CERAMIC FIBRES, AND METHODS, MACHINES, AND  
COATED FILAMENTS  
HYDROXYAPATITE FILAMENT  
METHOD FOR PRODUCTION OF SPINEL SINGLE CRYSTAL  
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AGS-BMP SIMPLIFYING ITS STRUCTURE TO IMPROVE  
CERAMIC FUSED FIBRE ENHANCED DENTAL MATERIALS  
COLOURED CERAMIC COMPOSITION AND METHOD FOR PRODUCING  
COMPOSITE MATERIALS AND METHODS FOR MAKING THE SAME  
COMPOSITE WEAR-RESISTANT GLASS-CERAMIC MATERIALS WITH  
GLASS BUBBLES FOR USE AS FILLERS IN PRINTED CIRCUIT  
HIGH POROSITY CALCIUM SILICATE MASS FOR STORING  
INJECTION MOLDABLE CERAMIC AND METALLIC COMPOSITIONS  
LOW-TEMPERATURE NONCRYSTALLINE SEALING GLASS  
METAL MATRIX COMPOSITE BODIES UTILIZING A CRUSHED  
METHOD FOR PREPARING A FIBROUS ELECTRICALLY CONDUCTIVE  
METHOD OF MAKING COMPOSITE CERAMIC ARTICLES HAVING  
METHOD OF MAKING PARTS OUT OF AN ALUMINA MATRIX  
PRODUCTION OF HIGH-TEMPERATURE CLAYDITE FROM LOAMS OF  
REFRACTORY MATERIAL  
76-01533A  
76-06073C  
76-04021C  
76-05074A  
76-01538A  
76-03777C  
76-06075A  
76-07344A  
76-06077C  
76-06078C  
76-06079C  
76-01545A  
76-06341A  
76-02518A  
76-05024A  
76-04833A  
76-04023A  
76-06088A  
76-00541A  
76-04052A  
76-08853A  
76-06369P  
76-06090A  
76-08431A  
76-04222P  
76-09205A  
76-06075C  
76-04688P  
76-03801C  
76-06444A  
76-03147C  
76-03307P  
76-04404P  
76-03133P  
76-03340P  
76-05614P  
76-05628P  
76-07730P  
76-03160C  
76-03170C  
76-05697P  
76-05658A  
76-03191P  
76-03191P  
76-07404P  
76-07414P  
76-05542P  
76-03191P  
76-05546P  
76-03216C  
76-03217C  
76-03218C  
76-03222P  
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76-07755P  
76-07762P  
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76-05579P  
76-07795P  
76-07795P  
76-07795P  
76-05582P  
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76-07800P  
76-07801P  
76-07802P  
76-07803P  
76-05584P  
76-07807P  
76-05587P  
76-08081P  
76-05797P  
76-07818P  
76-07819P  
76-07820P  
76-05582C  
76-05598P  
76-03258C  
76-07831P  
76-07838P  
76-03275A  
76-07840P  
76-07843P  
76-07845P  
76-07852P  
76-07858P  
76-05629P  
76-07863P  
76-05624P  
76-03281C  
76-07867P  
76-07868P  
76-07869P  
76-07870P  
76-06558P  
76-04540P  
76-08627P  
76-09051P  
76-09297A  
76-06189P  
76-00221P  
76-04543P  
76-00240A  
76-02582P  
76-06604P  
76-02066P  
76-00222P  
76-00170P  
76-06646P  
76-09065P  
76-01223P  
76-07325A  
76-00558P  
SILICONE OIL-SILICA FILLER PASTE USEFUL IN LIQUID  
TREATING PROCESS FOR PRECIPITATED SILICA FILLERS  
VACUUM TUBE COMPRISING A CERAMIC ELEMENT AND A METHOD  
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ALUMINUM NITRIDE FILM SUBSTRATE AND PROCESS FOR  
ALUMINUM OXIDE FILM FOR WINDOWS  
APPARATUS FOR DELIVERING A SILICA FILM FORMING  
APPARATUS FOR SYNTHESIZING DIAMOND FILMS UTILIZING AN  
BASE FILM HAVING DIMENSIONAL STABILITY AND HIGH  
BIPOLAR TRANSISTOR HAVING THIN INTRINSIC BASE WITH LOW  
BULK DIELECTRIC LAYERS PREPARED BY FIELD-ASSISTED  
BORON LOSS IN FURNACE- AND LASER-FIRED, SOL-GEL  
BRAZING OF DIAMOND FILM TO TUNGSTEN CARBIDE  
CARBON NITRIDE FILMS PREPARED BY ION IMPLANTATION  
CATHODE RAY TUBE HAVING A METAL OXIDE FILM OVER A  
CATHODIC ELECTROSYNTHESIS OF CERAMIC DEPOSITS  
CERAMIC CIRCUIT BOARD AND PROCESS FOR PRODUCING SAME  
CERAMIC SUBSTRATE HAVING A MULTILAYERED METALLIC THIN  
CHARACTERISATION OF  $GaN$  FILMS ON SAPPHIRE BY  
CHARACTERISATION OF  $SnO_2$ -BASED H<sub>2</sub> GAS SENSORS  
CHARACTERISTICS OF TITANIUM NITRIDE FILMS GROWN BY  
CHEMICAL VAPOUR DEPOSITION OF SILICON NITRIDE IN A  
CHEMICAL VAPOUR DEPOSITION SYNTHESIS AND  
CHEMICAL VAPOUR DEPOSITION (CVD) OF  
COMPARISON OF THE MICROSTRUCTURE OF AIN FILMS GROWN BY  
COMPOSITE DIELECTRIC PASSIVATION OF HIGH DENSITY  
COMPOSITIONS FOR REDUCING WEAR ON CERAMIC SURFACES  
CONDUCTIVE ANTIREFLECTION FILM AND CONDUCTIVE  
CONDUCTIVE INDIUM-DOPED ZINC OXIDE FILMS PREPARED BY  
CONTROL OF RESIDUAL RESIDUE ON DIAMOND FILM FABRICATED  
DEEP LEVELS IN  $GaN$  STUDIED BY EXTRINSIC  
DENSIIFICATION BEHAVIOUR OF METAL AND DIELECTRIC FILMS  
DEPOSITING FILMS ON A SUBSTRATE USING AN ELECTRIC  
DEPOSITION OF SILICON NITRIDES BY PLASMA-ENHANCED  
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DEVICE AND MANUFACTURING METHOD FOR A FERROELECTRIC  
DEVICE QUALITY HYDROGENATED AMORPHOUS SILICON FILMS  
DEVICES USING TRANSPARENT CONDUCTIVE  $GaNO_3$  FILMS  
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DIAMOND FILM GROWTH ON TANTALUM-TUNGSTEN CARBIDE: A  
DIAMOND GROWTH ON ION IMPLANTED SURFACES  
DIAMOND SUPPORT FOR ELECTRON MICROSCOPE  
DIAPOLAR ORGANIC/FERROELECTRIC OXIDE HYBRIDS  
EFFECT OF ABRASIONS ON THE NUCLEATION OF DIAMOND FILM  
EFFECT OF DEPOSITION AND SUBSTRATE MATERIAL  
EFFECT OF DEPOSITION REGIMES ON THE PROPERTIES OF  
EFFECT OF INDENTATION LOAD ON THE MICROHARDNESS OF  
EFFECT OF NITROGEN ON PULSED LASER DEPOSITION OF  
EFFECT OF SUBSTRATE BIAS VOLTAGE ON THE PROPERTIES OF  
EFFECT OF SUBSTRATE ORIENTATION ON THE CRYSTAL QUALITY  
EFFECTS OF AMBIENT GASES ON THE FORMATION OF  $SiO_xNy$   
EFFECTS OF HYSTERESIS CURVES OF GLASS-PASSIVATED MOS  
EFFECTS OF PREFERRED ORIENTATION AND MICROSTRUCTURE ON  
EFFECTS OF SECONDARY PRETREATMENTS OF SUBSTRATE ON THE  
ELECTRICAL AND OPTICAL PROPERTIES OF  $AlO_xAl$  FILMS  
ELECTROLYTE OPTIMISATION FOR CATHODIC GROWTH OF ZINC  
ELECTROLYTIC PZT FILMS  
ELECTRON BEAM VACUUM COATING PLANT HAVING A CRUCIBLE  
ENERGETICS OF AN EPITAXIAL WETTING LAYERS ON  
ENHANCED CRYSTALLINITY OF AMORPHOUS FILMS  
ESTIMATION OF CRYSTALLINITY TEMPERATURE OF DIAMOND  
ETCHING OF POLYCRYSTALLINE DIAMOND FILMS BY ELECTRON  
ETCHING OF RF MAGNETRON-SPUTTERED INDIUM TIN OXIDE  
ETCHING TECHNIQUE FOR PRODUCING CUBIC BORON NITRIDE  
EXCITON SPECTRA AND OPTICS IN  $GaN$   
EXPOSURE TO WATER VAPOUR OF MOS CAPACITORS PASSIVATED  
FABRICATION AND CHARACTERISATION OF SOL-GEL TERNARY  
FABRICATION AND CHARACTERISTICS OF WEAK LINKS BETWEEN  
FABRICATION METHOD OF SEMICONDUCTOR INTEGRATED CIRCUIT  
FIBRE OPTIC SENSING OF CYANIDES IN SOLUTIONS  
FIELD EFFECT TRANSISTOR INCLUDING SILICON OXIDE FILM  
76-02173P  
76-02189P  
76-04689P  
76-08446A  
76-02634P  
76-02486A  
76-04521P  
76-04201P  
76-05908P  
76-01318P  
76-02203A  
76-07731P  
76-01730A  
76-05167A  
76-00149P  
76-02203A  
76-06554P  
76-01579A  
76-04533P  
76-05082P  
76-07493A  
76-07409A  
76-04320A  
76-04233A  
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76-05538P  
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76-01322P  
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76-05642C  
76-01870A  
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76-06407A  
76-04568A  
76-01828A  
76-06410A  
76-03055A  
76-04247A  
76-04439A  
76-08083A  
76-08085A  
76-07907A  
76-09002P  
76-07580C  
76-05581P  
76-04441A  
76-08157A  
76-06097A  
76-02077P  
76-03191A  
76-06898A  
76-05390A  
76-03534A  
76-08082P  
76-06419C  
76-00289P  
76-07741P  
76-02080P  
76-02675P  
76-04446A  
76-04446A  
76-04448A  
76-05961P  
76-09154C  
76-02677P  
76-0877C  
76-03200A  
76-07596C  
76-07597C  
76-04569P  
76-04452P  
76-06602P  
76-05491P  
76-08903A  
76-07603C  
76-05774P  
76-03313P  
76-00922A  
76-07191A  
76-08678A  
76-08679A  
76-04457A  
76-03066A  
76-03547A  
76-03067C  
76-01227C  
76-01758A  
76-01954A  
76-05758A  
76-01955A  
76-06612P  
76-03455P  
76-00706A  
76-01760A  
76-02089P  
76-01232A  
76-02189P  
76-09020P  
76-03727A  
76-09027P  
76-05736P  
76-05736P  
76-07626C  
76-00838P  
76-01803P  
76-07613C  
76-03067C  
76-02506A

- [illegible]



- RESEARCH ON FINITE ELEMENT MODEL FOR THE MICROWAVE SIMULATION OF THE DYNAMICAL BEHAVIOUR OF 1-3 STRESS ANALYSIS OF CONTACT DEFORMATION IN STRESS ANALYSIS OF ELASTIC-PLASTIC CONTACT DAMAGE IN USE OF HIGH STRENGTH INSULATION TO IMPROVE LINING
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- FIRE PROTECTION DEVICE HAVING A PROTECTIVE OUTER LAYER
- FIRE RESISTANT GLAZING ASSEMBLY
- FIRE RESISTANT MORTAR FOR SLABS AND PANELS
- FIREPROOFING GLASSES CONTAINING SPECIAL GELS AND THE INVESTIGATION OF SCALE MODELLING OF THE LAMINATED GLASS CONSTRUCTION HAVING AN INTERMEDIATE FIRECLAY
- EXPERIMENTAL STUDY OF BALL CLAYS
- METHOD FOR LINING PIPE WITH CALCIUM ALUMINA CEMENT
- FIRING**
- 100% OXY-FUEL FIRING: THE REAL STORY
- ADAPTING ENAMELS FOR SINGLE FIRED WALL TILES
- ADVANCED MANUFACTURING OF FAST FIRED WHITEWARE BODIES
- ARTIFICIAL TOOTH BLANK MADE IN SERIES PRODUCTION
- BALL CLAY DEVELOPMENTS FOR PRESSURE CASTING AND BEHAVIOUR OF ENAMELS FOR HOLLOW GLASSWARE AS A BOUNDARY CONDITIONS ON THE SURFACE OF A CHARGE OF BRICK QUALITY THE KILN CROSS-SECTION OF A CLAMP CERAMIC APPLICATIONS OF MIDDLE ORDOVICIAN SHALES FROM CERAMIC DIAPHRAGM STRUCTURE HAVING CONVEX DIAPHRAGM CERAMIC MULTILAYER WIRING BOARD
- CERAMIC OXIDE CIRCUIT BOARD
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- CONDUCTIVE PASTES, CONDUCTIVE MATERIALS, AND CORDIERITE HONEYCOMB CERAMICS AND METHOD PRODUCING THE CORDIERITE HONEYCOMB CERAMICS WITH A COMBINED CRYSTALLISING GLASS IN RESISTOR PASTES FOR AIR DENTAL CERAMIC RESTORATION USING A MULTILAYERED DEPENDENCE OF THE COLOUR OF PORCELAIN AND BUILDING DESIGNING FIRING SCHEDULES WITH THERMAL ANALYSIS DETERMINATION OF SELECTED PROPERTIES OF DEVELOPMENT OF KILN FURNITURE TECHNOLOGY. PT.1
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- DIELECTRIC CERAMIC BODY INCLUDING THIN DISPERSION IN DIELECTRIC CERAMIC COMPOSITION, MULTILAYER RESONATOR DIELECTRIC CERAMIC COMPOSITIONS
- DIOPHANE PORCELAIN
- DOUBLE-DECK SHUTTLE KILN FOR SANITARYWARE
- EFFECT OF CONTACT SURFACES DURING FIRING OF Mg-PSZ
- EFFECTS OF FIRING ATMOSPHERE AND Y2O3 ADDITION ON ELECTRICAL FEEDTHROUGHS FOR CERAMIC CIRCUIT BOARD ENVIRONMENTALLY BENEFICIAL DECORATION FOR FAST FIRING EVALUATION OF TEXTURE OF MAGNESIA-CHROME BRICKS BY EVOLUTION OF CERAMIC TILE GLAZES
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- FAST FIRING OF ROOFING TILES IN A TUNNEL KILN: THE FAST FIRING: SINTERING UNDER HIGH THERMAL GRADIENTS FAST TRACK TO KILN PRODUCTIVITY
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- REDUCTION OF LEAD LEACHING FROM ON-GLAZE DECORATION BY REDUCTION OF THE SULPHUR OXIDE EMISSIONS DURING TUNNEL
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- ROLLER KILNS FOR ROOFING TILES: THE CATRAPARAMA CASE
- SINTERING OF ALUMINOSILICATE PRESSINGS IN VARIOUS GAS SINTERING OF MIXTURES OF THE MgO-MgCr2O4-MeO (Me = Si, SOx) EMISSIONS IN FIRING CERAMICS
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- FLEXURAL AND SHEAR TESTS ON REINFORCED VERTICALLY FLEXURAL BEHAVIOUR IN DIFFERENT DIRECTIONS
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- ION BEAM ANALYSIS OF FLOAT GLASS SURFACE COMPOSITION TiN OXIDATION STATE, DEPTH PROFILES OF Sn2+ AND Sn4+
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- FLOOR TILES**
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- DEPOSITION OF HEAVY METAL OXIDE GLASS THIN FILMS BY RF ELECTROCHEMICAL PURIFICATION OF HEAVY METAL FLUORIDE ENHANCED FLUORESCENCE OF COUMARIN LASER DYE IN THE NEAR ULTRAVIOLET UPON CONVERSION FLUORESCENCE AND LOW PREPARATION AND FLUORESCENCE PROPERTIES OF SPECTROSCOPIC PROPERTIES OF Ca3+ IONS IN A Tb-OR Eu-CONTAINING FLUOROPHOSPHATE FLUORESCENT GLASS

## FLUORIDES

- ALKALI FLUOROZIRCONATE GLASSES  
ATOMIC FORCE MICROSCOPY OF HEAVY METAL FLUORIDE  
BLUE AND GREEN UP-CONVERSION IN  $\text{Yb}^{3+}/\text{Er}^{3+}$ ,  $\text{Ti}^{4+}/\text{Er}^{3+}$   
COMPARISON OF THE STRUCTURAL ROLE OF  $\text{Na}^{+}$  AND  $\text{K}^{+}$  NETWORK  
CRYSTALLISATION KINETICS OF  $\text{AlF}_3$ -BASED GLASSES DOPED  
CW LASER OSCILLATION ON BOTH THE  $\text{supr}^1$   $\text{F}_{3/2}$  AND  $\text{supr}^2$   $\text{F}_{3/2}$   
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FLUOROINDATE GLASSES BASED ON THE  $\text{InF}_3$ - $\text{BaF}_2$ - $\text{YF}_3$  SYSTEM  
FLUOROPHOSPHATE CLADDING GLASSES FOR FLUORIDE GLASS  
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SEMICONDUCTOR DEVICE  
SEMICONDUCTOR HAVING SELECTIVELY ENHANCED FIELD OXIDE  
 $\text{TiO}_2$  OR  $\text{EuO}$ -CONTAINING FLUOROINDATE FLUORESCENT GLASS  
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ENHANCED FLUX PINNING IN SUPERCONDUCTORS BY NANOTUBES  
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METHOD FOR PRODUCING A MICROCELLULAR FOAM  
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PROCESS FOR PREPARING SiC FOAM  
PROCESSING OF HYDROXYAPATITE CERAMIC FOAMS  
SETTING THE RECORD STRAIGHT ON POLYISOCYANURATE  
SIBIRUM WITH A BRECCIATED STRUCTURE  
SOUND INHIBITOR BAFFLES  
STRUCTURE AND MECHANICAL BEHAVIOUR OF CERAMIC FOAMS  
SYNTHESIS OF STABLE SUPPORTS CONSISTING OF SiC-Si

## FOOD INDUSTRY

- AEROSTATIC LINEAR GUIDE MADE OF HIGH PERFORMANCE  
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METHOD AND APPARATUS FOR CONDITIONING AND HOMOGENIZING  
FORMATION  
ENERGETICS OF AIR EPITAXIAL WETTING LAYERS ON  
FORMATION OF DRY ETCHED GRATINGS IN GaIn and InGaIn  
INDIUM DROPLET FORMATION ON THE  $\text{InGa}_{1-x}\text{In}_x$  FILMS  
METAL CARBIDE FIBRES  
METHOD AND LIQUID COATING COMPOSITION FOR THE  
METHOD FOR HEATING AND FORMING A GLASS SHEET  
METHOD FOR MAKING CERAMIC FIBRES FROM A WATER SOLUBLE  
METHOD FOR PRODUCING FRMC/CERAMIC FOAM PANELS  
NEAR NET SHAPE PROCESSING OF CONTINUOUS LENGTHS OF  
RECESSED SIDEWALL-SEALED AND SANDWICHED POLYBUTYRENE  
FORMING  
ALTERNATIVE ROUTES FOR FORMATION OF POROUS NiO MCPC  
AMORPHOUS METAL-CERAMIC COMPOSITE MATERIAL  
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BENDING OF ANNEALED AND LAMINATED GLASS  
CHARACTERISTICS OF  $\text{BiPb}_2\text{Si-Ca-Cu-O}$  SUPERCONDUCTOR  
CIRCUIT SUBSTRATE INCLUDING INSULATING LAYER OF  
COMPARISON OF ICI AND IBI FOR DRY ETCHING OF III  
CURING HYDROGEN SILSESQUOXANE RESIN WITH AN ELECTRON  
DYNAMIC CONSOLIDATION OF COMBUSTION-SYNTHESIZED  
FIRST MICROSCOPIC OBSERVATION OF CADMIUM-HYDROGEN  
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76-00148P  
76-03003P  
76-07179P  
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COMBUSTION SYNTHESIS OF PEROVSKITE  $\text{LaCoO}_3$  POWDERS  
CHEMICAL ANALYSIS OF INTERFACIAL METHANE SOFC:  
COMPARISON OF AVAILABLE SHOWING MODELS FOR THE MCFC  
COMPONENTS MANUFACTURING AND STACK INTEGRATION OF AN  
COMPUTER ANALYSIS OF INCONSISTENCIES IN PEN TESTING  
COMPUTER MODEL FOR DIRECT CARBONATE FUEL CELLS  
CONDUCTIVITY AND PHASE STABILITY OF BISMUTH OXIDE  
CONJUNCTION MODELLING OF POROUS MIXED CONDUCTING  
CONTOURED PEN PLATES FOR IMPROVED THERMOMECHANICAL  
CONTROLLING THE CHROMITE EXPANSION UNDER A REDUCTIVE  
COPRECIPITATION PROCESS FOR PREPARATION OF NICKEL  
CORROSION OF STAINLESS STEEL 304 IN MOLTEM CARBONATES  
CURRENT STATUS OF PLANAR TYPE SOFC DEVELOPMENT AT  
DEGRADATION OF THE COMPONENTS IN MOLTEM CARBONATE FUEL  
DESIGN AND TESTING OF SOFC INTERCONNECTORS WITH AN  
DETECTION OF THE CARRIER PROTONS IN  $\text{SrCe}_{1-x}\text{Yb}_x\text{O}_{3-\delta}$ -DELTA  
DEVELOPING DIR-MCFC COGENERATION SYSTEMS FOR THE  
DEVELOPMENT AND TESTING OF A DANISH 0.5 kW SOFC STACK  
DEVELOPMENT OF 250 kW STACK FOR 1 MW MCFC PILOT PLANT  
DEVELOPMENT OF CELL AND STACK FABRICATION TECHNOLOGIES  
DEVELOPMENT OF ELECTRODES FOR SOLID OXIDE FUEL CELLS  
DEVELOPMENT OF MOLTEM CARBONATE FUEL CELL MATRIX BY  
DEVELOPMENT OF A TEST CELL FOR THE DIRECT OBSERVATION  
DIFFUSION CONSTANTS AND SOLUBILITY VALUES OF  $\text{Co}_2$  AND  
DIMENSIONAL INSTABILITY OF CATHODE AND INTERCONNECT  
DISSOLUTION OF SPINEL OXIDES AND CAPACITY LOSSES IN 4  
EFFECT OF CARBONATE COVERAGE ON ALLOY CORROSION IN  
EFFECT OF MICROSTRUCTURE AND DOPANT ON THE  
EFFECT OF PARTICLE-DIAMETER RATIO OF YSZ TO Ni ON  
EFFECTS OF OXIDANT GAS COMPOSITION ON THE POLARISATION  
ELECTRICAL AND MICROSTRUCTURAL CHARACTERISATION OF  
ELECTRICAL BEHAVIOUR OF DOUBLE LAYER ELECTROLYTES  
ELECTRICAL CONDUCTIVITY IN  $\text{CaTi}_{1-x}\text{Nb}_x\text{O}_{3-\delta}$  PLUS OR MINUS  
ELECTRICALLY CONDUCTING CERAMIC AND FUEL CELL USING  
ELECTROCHEMICAL BEHAVIOUR OF Ni/YSZ ELECTRODES  
ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY OF A 100 cm<sup>2</sup>  
ELECTROCHEMICAL INVESTIGATION OF THE CORROSION  
ELECTROCHEMICAL OXYGEN PERMEATION THROUGH LANTHANUM  
ELECTROCHEMICAL PERFORMANCE OF AN ANODE SUPPORTED  
ELECTROCHEMICAL PROPERTIES OF DOPED LANTHANUM  
EMERGING MARKETS FOR SOFC TECHNOLOGY  
ENHANCEMENT OF THE IONIC CONDUCTIVITY IN CERIA  
EVO OF YSZ FILMS FROM OXIDE POWDERS AND  $\text{CCl}_4$   
EXPERIMENTAL EVIDENCE FOR THREE PHASE BOUNDARY AS  
EXPRESSION OF MCFCs CATHODE REACTION RESISTANCE BASED  
FUNCTIONING OF THE  $\text{NiO/LiCoO}_2$ -DOUBLE-LAYER CATHODES OF  
GLASS-CERAMIC GLAZES FOR SOLID OXIDE FUEL CELLS  
HIGH IONIC CONDUCTIVITY AND HIGH FRACTURE STRENGTH OF

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- HIGH STRENGTH FULLY STABILISED ZIRCONIA FOR SOLID  
HIGH TEMPERATURE CORROSION OF MODEL ALLOYS AND  
HIGH TEMPERATURE ELECTROLYSIS OF CO<sub>2</sub> USING PEROVSKITE  
HIGH TEMPERATURE MECHANICAL PROPERTIES OF  
HIGH TEMPERATURE OXIDATION OF CHROMIUM AND  
HIGH-TEMPERATURE IONIC CONDUCTION IN MULTICOMPONENT  
IMPROVEMENT OF CELL COMPONENTS FOR A LONG LIFE MCFC  
IMPROVING ELECTRODE CONTACT IN A SMALL DIAMETER  
IN SITU OXIDATION BEHAVIOUR OF Ni AND Ni-CO ALLOY IN  
INFLUENCE OF THE PLANT CAPACITY ON THE EFFICIENCY OF  
INFLUENCE OF ULTRA-DISPERSION PARTICLES ON ELECTRON  
INTEGRATION OF SOLID OXIDE FUEL CELLS  
INTERNAL REFORMING IN STATE-OF-ART SOFCs  
INTERNAL RESISTANCE COMPUTATIONS FOR MCFC USING  
INTERPHASE FORMATION BETWEEN YTTRIA-STABILISED  
INVESTIGATIONS ON INTERMEDIATE TEMPERATURE (500-650 °C)  
IONIC AND ELECTRONIC CONDUCTIVITY IN TITANIA DOPED YSZ  
IONIC AND ELECTRONIC TRANSPORT IN BaCe<sub>0.8</sub>Gd<sub>0.2</sub>O<sub>3</sub> SOLID  
IRON CONTAINING LANTHANUM-STRONTIUM-MANGANITES AS  
LIFE OF INTERNAL REFORMER FOR MCFC  
LITHIUM ION CONDUCTIVITY OF A-SITE DEFICIENT  
LONG-TERM OPERATION OF THE 100-cm<sup>2</sup> SINGLE CELL OF MCFC  
LOWER TEMPERATURE SOFCs UTILISING SCREEN PRINTED  
MARKET DEMANDS FOR UTILITY APPLICATIONS  
MARKET TARGETS AND STATE OF PRODUCT DEVELOPMENT AT  
MATERIAL DURABILITIES FOR MCFC  
MCFC DEVELOPMENT STATUS AT M-C POWER CORPORATION  
MCFC ELECTROLYTE BEHAVIOUR: LiX VS LiNa CARBONATE  
MECHANICAL AND ELECTRICAL CHARACTERISATION OF SOLID  
MECHANICAL PROPERTIES OF LANTHANUM AND YTTRIUM  
MICRO-MODELLING OF THE CATHODE AND EXPERIMENTAL  
MICROSTRUCTURE AND ELECTRICAL CONDUCTIVITY OF  
MINIATURE CERAMIC FUEL CELL  
MODEL OF COAL FUELLED SOFC POWER STATION  
MODELLING AND TESTING A LOW-COST SOLID OXIDE FUEL CELL  
MODELLING OF AN ELECTROLYTE MATRIX FOR A PHOSPHORIC  
MODIFIED NICKEL CHROMITE AS ELECTRODE MATERIAL IN  
MONOLITHIC VPS-FABRICATED SOFC  
MONTE CARLO SIMULATIONS OF CONDUCTIVITY OF COMPOSITE  
MONTE CARLO SIMULATIONS OF POLARISATION RESISTANCE OF  
NANOSTRUCTURE, DEFECT CHEMISTRY AND OPERATING  
NERNST LOSS IN FUEL CELLS AND FUEL CELL DESIGNS IN  
NEW CANDIDATE FOR THE SOLID OXIDE FUEL CELL CATHODE  
NEW COMBUSTOR BOOSTS OUTPUT  
NON-DESTRUCTIVE EVALUATION OF PLANAR SOFCs  
NOVEL PEROVSKITE CATHODE MATERIALS FOR LOW TEMPERATURE  
OHMIC RESISTANCE OF THE ELECTRODE-ELECTROLYTE  
OPERATING PROPERTIES OF SOLID OXIDE FUEL CELLS USING  
OPERATION PRINCIPLES FOR FUEL CELLS WITH MIXED IONIC  
OXIDATION AND STEAM REFORMING OF CH<sub>4</sub> ON Ni AND Fe  
OXIDATION OF Cr AND Cr<sub>2</sub>O<sub>3</sub>-Co IN OXIDISING AND CARBON  
OXIDE IONIC CONDUCTIVITY OF DOPED LANTHANUM CHROMITES  
PARAMETERS INFLUENCING THE LONG-TERM STABILITY OF THE  
PHYSICO-CHEMICAL PROPERTIES OF HETEROEPITAXIAL-TIN  
PLASMA SPRAYING OF LANTHANUM CHROMITE FILMS FOR SOLID  
PREDICTION OF PERFORMANCE OF MOLTEN CARBONATE FUEL  
PRELIMINARY DATA ON SOLID SOLUBILITY BETWEEN La<sub>2</sub>O<sub>3</sub>  
PREPARATION AND CHARACTERISATION OF PEROVSKITE-TYPE  
PREPARATION AND CHARACTERISATION OF ZrO<sub>2</sub> ELECTROLYTES  
PREPARATION AND PERFORMANCE OF Ni-TiO<sub>2</sub> CERMET ANODES  
PREPARATION BY A 'CHIMIE DOUCE' ROUTE AND  
PREPARATION OF AN KAL-ELEMENT-DOPED CaO<sub>2</sub>-Sm<sub>2</sub>O<sub>3</sub>  
PREPARATION OF HOLLOW CUBIC ZIRCONIA FIBRE BY  
PREPARATION OF LITHIUM ALUMINATE MONOLITH OF  
PREPARATION OF (ZrO<sub>2</sub>-8 mol% Y<sub>2</sub>O<sub>3</sub>)/MgO<sub>2</sub>/1.1Ni  
PROCESS FOR PRODUCING MOLTEN CARBONATE FUEL CELLS  
PROCESSING AND PROPERTIES OF DOPED CERIA CERAMICS  
PROCESSING AND TRANSPORT PROPERTIES OF DOUBLE LAYER  
PROCESSING, MECHANICAL AND ELECTRICAL CHARACTERISATION  
PRODUCTION OF La-PEROVSKITE FIBRES FOR FELTS TO BE  
PROTECTING LAYERS FOR THE BIPOLAR PLATES OF PLANAR  
p-TYPE CONDUCTIVITY IN GADOLINIA-DOPED CERIA  
PULVIC SUPPORT FOR FUEL CELL RAD  
RAMAN SPECTROSCOPIC CHARACTERISATION OF ZrO<sub>2</sub> AND  
REDUCTION OF THE CHROMIUM VAPORISATION FROM THE  
REMOVAL OF H<sub>2</sub>S IN A SOLID OXIDE FUEL CELL WITH  
SEGREGATION AND TRANSPORT OF ALKALI AND ADDITIVE  
SELECTION AND OPTIMISATION OF THERMAL SPRAYED  
SHORT TERM STRUCTURAL CHANGES IN NiO/YSZ ELECTRODES  
SILVER-BaCe<sub>0.8</sub>Gd<sub>0.2</sub>O<sub>3</sub> COMPOSITES AS CATHODE MATERIALS  
SINGLE AND MULTIPLE GRAIN BOUNDARY DIFFUSION THROUGH  
SOFC COGENERATION SYSTEM BUILT FROM 2 mm DIAMETER  
SOFC OPERATION AT HIGH FUEL UTILISATION  
SOFC SYSTEM DESIGN INTERACTIONS WITH STACK FABRICATION  
SOLID OXIDE ELECTROLYTE FUEL CELL REVIEW  
SOLID OXIDE FUEL CELL STACK  
SOLID OXIDE FUEL CELLS  
SOLID OXIDE FUEL CELLS WITH INTEGRATED AIR PRE-HEATER:  
SOLUBILITY OF IN SITU OXIDIZED NiO IN (Li<sub>2</sub>Ni)<sub>2</sub>CO<sub>3</sub> MELTS  
SPECTROSCOPIC MEASUREMENTS RELATIVE TO THE NICKEL  
SPUTTERED La<sub>0.5</sub>Sm<sub>0.5</sub>MnO<sub>3</sub>-YTTRIA STABILISED ZIRCONIA  
STABILITY OF LANTHANUM CALCIUM CHROMITE-LANTHANUM  
STABLE HIGH CONDUCTIVITY FUNCTIONALLY GRADIENT  
STACK AND CELL MODELLING WITH SOFC3D: A COMPUTER  
START-UP AND LOAD CHANGES DYNAMIC MODELLING IN SOFC  
STRUCTURAL STABILISATION AND ELECTRICAL  
STUDIES OF NATURAL GAS AND BIOMASS FUELED MCFC SYSTEMS  
STUDY OF THE ELECTROCHEMICAL EQUILIBRIA IN MOLTEN  
SURFACE AND GRAIN-BOUNDARY ENERGIES IN  
SURVEY OF MATERIALS SELECTION FOR CERAMIC FUEL CELLS  
SYNERGISTIC APPLICATIONS OF SOFC TECHNOLOGY  
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THEORY OF POINT DEFECTS AND DEFECTS IN  $\text{GaN}$  76-07716C  
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THIN FILM GROWTH OF GROUP III NITRIDES BY MASS 76-07719C  
TOP-LEIS CHARACTERISATION AND GROWTH OF  $\text{GaN}$  THIN FILMS 76-07720C  
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UNDOPED AND DOPED  $\text{GaN}$  THIN FILMS DEPOSITED ON 76-08019A  
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VISIBLE BLIND UV  $\text{GaN}$  PHOTOVOLTAIC DETECTOR ARRAYS 76-07723C  
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YELLOW LUMINESCENCE AND ASSOCIATED ODMR IN MOVPE GaN: ZnO BUFFER FORMED ON Si AND SAPPHIRE SUBSTRATES FOR

## GALLIUM OXIDE

BaO-Ga<sub>2</sub>O<sub>3</sub>-Ga<sub>2</sub>O<sub>2</sub> GLASSES WITH ENHANCED PROPERTIES EFFECTS OF PALLADIUM DISPERSIONS ON GAS-SENSITIVE METHOD OF FORMING A DIELECTRIC LAYER STRUCTURE

## GALLIUM PHOSPHIDE

COLOR DISPLAY DETECTOR HETEROEPIAXIAL LAYER OVERGROWTH OF GaP ON STRUCTURED GARNETS

BISMUTH-SUBSTITUTED RARE EARTH IRON GARNET SINGLE GARNET - NICE WORK IF YOU CAN GET IT

INFRARED SPECTROSCOPY IN CHARACTERISATION OF Li<sub>3</sub> AND Li<sub>2</sub> ISO-ELECTRONIC CENTRES IN YAG MAGNETO-OPTICAL ELEMENT MATERIAL FORMED OF MAGNETIC MAGNETO-OPTICAL RECORDING MEDIUM AND METHOD FOR MATERIAL FOR MAGNETO-OPTICAL ELEMENT AND FARADAY OXIDE FILMS AND NANO-SIZED POWDERS FABRICATED BY SEALING GLASS COMPOSITION AND METHOD OF MAKING AND OF SUPERCONDUCTING THIN FILM SYSTEM USING A GARNET SYNTHESIS OF YTTRIUM IRON GARNET PRECURSOR PARTICLES

## GAS EVOLUTION

EVOLUTION OF GASES FROM REFRACTORY MIXTURES ON THE EVOLVED GAS MEASUREMENT FROM SILICA-FUME IN HIGH HF EMISSIONS IN MANUFACTURING TRADITIONAL CERAMICS REDUCING EMISSIONS FROM GLASS FURNACES WITH COMBUSTION

## GAS PERMEABILITY

CERAMIC AND CERAMIC COMPOSITES FOR FIRST WALL DEVELOPMENT AND APPLICATION OF DISPERSIVE PORE-SIZE DETERMINATION IN THE SEPARATION LAYER OF A PREPARATION OF TUBULAR ALUMINA MEMBRANE WITH UNIFORM SYNTHESIS OF ALUMINOSILICATE COMPOSITE MEMBRANES

## GAS TURBINES

ABRABLES IMPROVE GAS TURBINE EFFICIENCY ADVANCED MATERIALS MEAN ADVANCED ENGINES COMPOSITES TAKE OFF WITHOUT A PARACHUTE CONCEPT OF FUNCTIONALLY GRADED MATERIALS FOR ADVANCED CURRENT STATUS OF CERAMIC GAS TURBINE R & D FOR DEVELOPMENT OF 300 kW CERAMIC GAS TURBINE "CGT 302" DURABILITY OF SILICA-PROTECTED CERAMICS IN COMBUSTION HIGH-TEMPERATURE CORROSION OF A SILICON-INFILTRATED IMPROVED PROPERTIES OF GAS TURBINE ENGINE COMPONENTS METHOD OF NON-DESTRUCTIVELY ESTIMATING LIFE OF CERAMICS NEW DEVELOPMENTS IN THERMAL BARRIER COATINGS (TBC) FOR RELIABLE DESIGN OF CERAMIC COMPONENTS FOR SMALL GAS STATISTICAL EVALUATION OF CORROSION OF SILICON IN

## GASES

AIR POLLUTION CONTROL PROCESS AND APPARATUS FOR GLASS ANALYSIS OF MCFC PERFORMANCE USING A CELL WITH GAS APPARATUS FOR APPLYING SO<sub>2</sub> TO FLAT GLASS CERAMIC FILTERING OF GASES COMBUSTION HEAD, IN PARTICULAR FOR GAS BURNERS CORROSION OF STAINLESS STEEL 304 IN MOLTEN CARBONATES DIAMOND CUTTING TOOL AND METHOD OF MANUFACTURING THE EFFECT OF CARBONATE COVERAGE ON ALLOY CORROSION IN ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY OF A 100 cm<sup>2</sup> EXPRESSION OF MCFCs CATHODE REACTION RESISTANCE BASED FLUIDISED BED REACTOR FOR PREPARING METAL NITRIDE GLASS DISCHARGE CLOSING SWITCH WITH UNITARY CERAMIC GLASS MELTING METHOD WITH REDUCED VOLATILIZATION OF GLASS SHEET BENDING METHOD HOUSING FOR GAS SENSORS METHOD AND APPARATUS OF SYNTHESIZING DIAMOND IN VAPOR METHOD AND DEVICE FOR MANUFACTURING AN OPTICAL FIBRE METHOD FOR MAKING CONTINUOUS THIN DIAMOND FILM METHOD FOR PRODUCING CERAMIC FINE PARTICLES AND METHOD FOR THE PREPARATION OF HIGH-PURITY ALUMINIUM METHOD OF FORMING INSULATING FILMS, CAPACITANCES, AND METHOD OF MAKING FUSED SILICA ARTICLES METHOD OF PRODUCING FLAT GLASS MICROMACHINED SILICON CO GAS SENSORS NITRIDE BASED SEMICONDUCTOR DEVICE AND MANUFACTURE PROCESS FOR PLASMA-ENHANCED ANNEAL OF TITANIUM NITRIDE REACTOR FOR THE PRODUCTION OF SHORT CERAMIC FIBRES REFRACTORY TILE FOR OPEN-SPACED BOILER TUBES SEMICONDUCTOR DEVICE SILICON NITRIDE FILM FORMATION METHOD SOLID ELECTROLYTE GAS SENSOR AND PROCESS OF PRODUCING SOLUBILITY IN SITU OXIDIZED NiO IN (Li-Na)<sub>2</sub>CO<sub>3</sub> MELTS SOX-NIX SORBENT AND PREPARATION OF USE STUDIES OF NATURAL GAS AND BIOMASS FUELED MCFC SYSTEMS STUDY OF THE ELECTROCHEMICAL EQUILIBRIA IN MOLTEN

## GEHLENITE

KINETICS AND MECHANISM OF CRYSTALLISATION OF GEHLENITE

## GEL CASTING

GELCASTING: FROM LABORATORY DEVELOPMENT TOWARD GREEN MACHINING OF GELCAST CERAMIC MATERIALS INFLUENCE OF THE DISPERSANTS IN GELCASTING OF IN-SITU REAL TIME MONITORING OF THE POLYMERISATION IN OPTIMISATION OF THE GELCASTING OF A SILICON NITRIDE

## GELS

<sup>17</sup>O NMR INVESTIGATION OF HAFNIA AND TERHARY HAFNIUM ABBREVIATED HISTORY OF SOL-GEL TECHNOLOGY BIOACTIVE COATINGS AND THEIR PREPARATION AND USE CERAMIC GELS - POROUS NETWORK STRUCTURE AND CERAMIC OXIDE COMPOUNDS CHARACTERISATION OF BaO-Ai<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> (BAS) GELS DURING CHARACTERISTICS OF ALUMINA PREPARED BY HYDROLYSIS OF CHEMICALLY ACTIVE CERAMIC COMPOSITIONS WITH A THIOL COBALT CERAMIC PIGMENTS FROM STOICHIOMETRIC ZEOLITIC COLORATION MECHANISM IN SILICATE GELS AND GEL-GLASSES CRYSTALLINITY AND STOICHIOMETRY OF NANO-STRUCTURED CRYSTALLISATION OF Al<sub>2</sub>O<sub>3</sub>-ZrO<sub>2</sub>-SiO<sub>2</sub> GELS DETERMINATION OF THE HYDROXYL CONTENT IN GELS AND DIFFUSION OF TRANSITION METALS (Co, Ni) AND ITS EFFECTS DTA CHARACTERISATION OF THREE TYPES OF Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> GELS EFFECT OF MICROSTRUCTURE ON THERMAL DEHYDROXYLATION OF EFFECT OF SOLVENT ON FORMATION CHARACTERISTICS OF ELECTROCHEMICAL SYNTHESIS AND THERMAL DECOMPOSITION OF Er<sub>2</sub>-DOPED SILICA AND HYBRID ORGANIC/INORGANIC SILICA FIBRE OPTIC SENSING OF CYANIDES IN SOLUTIONS FINE SILICA TUBE AND PROCESS FOR MAKING SAME FIREPROOFING GLASSES CONTAINING SPECIAL GELS AND THE GEL FORMATION IN MULLITE PRECURSORS OBTAINED VIA GEL SYNTHESIS AND CRYSTALLISATION OF GLASS POWDERS IN HYDROTHERMAL TRANSFORMATION OF TOBERMORITE GEL TO 10 IMMOBILISATION OF UREASE ON COMPOSITE FIBRE BY USING A INFRARED TRANSMISSION OF SINTERED 3 MOL% V<sub>2</sub>O<sub>5</sub>-ZrO<sub>2</sub> GEL INORGANIC OXIDE-BASED MATERIALS WITH MONODISPERSED IN-VITRO PROTEIN INTERACTIONS WITH A BIOACTIVE LAMINATED GLASS CONSTRUCTION HAVING AN INTERMEDIATE LIVING CERAMICS

76-07726C  
76-07727C

76-07113A  
76-07427A  
76-07500P

76-03304P  
76-03204C

76-01033P  
76-09316A  
76-01489A

76-07932A  
76-01003P  
76-05742P

76-01043P  
76-04472C  
76-05162P

76-05807P  
76-04045A

76-00430A  
76-05928A  
76-04893A

76-05893A  
76-03657C  
76-05245A

76-06332A  
76-08501A  
76-04179A

76-06915A  
76-01726A  
76-09288A

76-02492A  
76-05466A  
76-01142A

76-04728C  
76-09196A  
76-04896A

76-05811P  
76-08546A  
76-06512A

76-08728A  
76-05958P  
76-03204C

76-08232P  
76-01676P  
76-04209P

76-05355C  
76-02073P  
76-05311C

76-05381C  
76-05389C  
76-03807P

76-01799P  
76-05863P  
76-01325P

76-01692P  
76-02102P  
76-03101P

76-06640P  
76-05917P  
76-04599P

76-07501P  
76-03013P  
76-01429P

76-06459C  
76-05599P  
76-02151P

76-06782P  
76-00503P  
76-05528P

76-06769P  
76-02177P  
76-04541C

76-04571P  
76-05456C  
76-04547C

76-05112A  
76-05851A  
76-03710A

76-05854A  
76-03719A  
76-05863A

76-04274C  
76-08339A  
76-03667C

76-06186P  
76-04072C  
76-02058P

76-01910A  
76-08457A  
76-06567P

76-05311A  
76-03369P  
76-03682A

76-08361A  
76-01593A  
76-02842A

76-08482A  
76-08368A  
76-06325C

76-06419C  
76-04566P  
76-02674P

76-06010A  
76-00280A  
76-04091A

76-06020A  
76-01955A  
76-09017P

76-05111A  
76-03037P  
76-04134C

LOW-TEMPERATURE DECOMPOSITION OF HYDRATED TRANSITION MECHANISMS OF Al AND TITANIA HYDROGEL COMPLEX MICROSTRUCTURE OF CALCIUM SILICATE HYDRATE (C-S-H) GELS METHOD AND APPARATUS FOR PRODUCING GEL PARTICLES METHOD FOR PREPARING LOW-CONCENTRATION METHOD FOR PREPARING SPHERULAR SILICA GEL PARTICLES MIXED OXIDES SiO<sub>2</sub>-ZrO<sub>2</sub> AND SiO<sub>2</sub>-TiO<sub>2</sub> BY A MORPHOLOGICAL FORMS OF TOBERMORITE IN HYDROTHERMALLY ORGANICALLY MODIFIED Eu<sup>3+</sup>-DOPED SILICA GELS POLISHING COMPOSITION POLYMERIC METAL OXIDE MATERIALS AND THEIR FORMATION POROUS SILICON OXYCARBIDE GLASSES POROUS SOL-GEL CERAMICS PREPARATION OF SILICA GEL MONOLITHS BY AMMONIOLYSIS OF PREPARATION OF STABILIZED ALUMINA HAVING ENHANCED PREPARATION OF ZrO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub> POWDER BY THERMAL PROCESS FOR CONTROLLING INSECT INFESTATIONS IN A PROCESS FOR PREPARING AMORPHOUS, CATALYTICALLY ACTIVE PROCESS FOR PREPARING SiC FOAM PROCESS FOR PREPARING WATER-SOLUBLE PROCESS FOR PREPARING WATER-SOLUBLE PROCESS OF MAKING CHANNEL WAVEGUIDES IN GEL-SILICA PYROLYSIS STUDY OF METHYL-SUBSTITUTED Si-H CONTAINING ROLE OF N, N, DIMETHYLFORMAMIDE AND GLYCOL IN THE ROLE OF TITANIUM IN TiO<sub>2</sub>-SiO<sub>2</sub> SOL-GELS: AN X-RAY ROLE OF TRANSESTERIFICATION IN THE MULTISTEP Si-AL-O-C GLASSES FROM GELS SOL-GEL TENAX AND CARBON MEDIA ADSORPTION TUBE SOL-AI<sub>2</sub>O<sub>3</sub> GLASS MATERIALS OBTAINED FROM MONOPHASIC SOL-GEL PREPARATION OF ALUMINA GELS FORMING SOL-GEL SYNTHESIS OF HIGH-SILICA MATERIALS FROM SPECTROSCOPIC STUDIES OF Cr-DOPED SILICA GELS STAR GELS, NEW HYBRID NETWORK MATERIALS FROM STRUCTURAL EVOLUTION OF MIXED GELS STUDY OF A COMMERCIAL SiO<sub>2</sub> SOL AND GEL BY SMALL ANGLE SUBCRITICAL DRYING OF SILICA GELS SYNTHESIS AND CHARACTERISATION OF INORGANIC GELS IN A SYNTHESIS AND CHARACTERISATION OF TiO<sub>2</sub>-SiO<sub>2</sub> SOL-GEL SYNTHESIS OF ZEOLITE RHAPSODY TEMPERATURE EFFECT SYNTHESIS PROCESS FOR FALSAITE FAMILY ZEOLITES USING TQ/GC/MS STUDY OF THE STRUCTURAL TRANSFORMATION OF TiO<sub>2</sub> POROUS MATERIALS OBTAINED FROM DIFFERENT WATER-BASED SYSTEM FOR CERAMIC INJECTION MOLDING SYNTHESIS OF AEROGELS: EFFECT OF ACID USED IN THE SOL-GEL

## GERMANATES

LOCAL STRUCTURE AND ELECTRICAL RESPONSE OF Rb AND (Rb

## GERMANIA

EXAFS STUDY OF PRESSURE-AMORPHISED GeO<sub>2</sub> INCREASING THE RETENTION OF GeO<sub>2</sub> DURING PRODUCTION OF SPATIAL LIGHT MODULATOR HAVING A GERMANIUM OXIDE LIGHT

## GERMANIUM

ALKALINE EARTH MODIFIED GERMANIUM SULPHIDE GLASS BaO-Ga<sub>2</sub>O<sub>3</sub>-Ga<sub>2</sub>O<sub>2</sub> GLASSES WITH ENHANCED PROPERTIES CALORIMETRIC MEASUREMENTS ON Ge-Sb-S GLASSES CHALCOGENIDE GLASSES FOR ACOUSTO-OPTIC DEVICES. PT.2. DEFECT-FREE CRYSTALS STUDY OF DEFECTS INDUCED IN SH-SiC BY ION HETEROJUNCTION TYPE BIPOLAR TRANSISTOR IDENTIFICATION OF DISLOCATIONS IN n-TYPE LASER SPECTROSCOPY OF Pr<sup>3+</sup> DOPED GERMANIUM LOW DEFECT DENSITY AMORPHOUS GERMANIUM ALLOY LOW FREQUENCY RAMAN SCATTERING SPECTRA OF MECHANISMS OF PHOTO-BLEACHING OF 5 eV OPTICAL METHOD OF FORMING SILICON/SILICON-GERMANIUM MODIFIED GERMANIUM SULPHIDE GLASS OPERATION OF SILICON-GERMANIUM CMOS ON SAPPHIRE PREPARATION AND PROPERTIES OF BaS-Ga<sub>2</sub>S<sub>3</sub>-Ga<sub>2</sub>S<sub>2</sub> GLASSES PREPARATION AND PROPERTIES OF Ge-Ga-S GLASSES FOR RARE-EARTH-DOPED MULTICOMPONENT Ge-BASED SULPHIDE SEMICONDUCTOR PROCESSING METHODS OF FORMING FIELD SENSITIZING EFFECT OF Pr<sup>3+</sup> ON 2.9 MICROMETER STRUCTURAL ASPECTS OF THE SOLUBILITY OF Pr<sup>3+</sup> IONS SYNTHESIS AND PROPERTIES OF GaS<sub>2</sub>-Ga<sub>2</sub>S<sub>3</sub>-NaClO<sub>4</sub> AND VOLTAGE-CONTROLLED VARIABLE SPECTRUM PHOTOELECTOR FOR

## GERMANY

35 YEARS OF THE WÜRZBURG BRICK AND TILE TRAINING AGRÖB-BUCHTAL-KERAMIK: THE GERMAN TRADITION CEN VITRIFIED CLAY PIPES (V) WITHIN THE SCOPE OF TC CLAY AND CHAMOTTE FROM THE NAAB VALLEY CONTROL AND CERTIFICATION OF BRICKS AND ROOFING TILES CONVENTIONALLY HEATED GLASS SMELTING FURNACES FOR THE DECLARATION OF THE GERMAN BRICK AND TILE INDUSTRY ON EXPORTATION - DEMANTILATION - EXPORTATION, JENAEER DEVELOPMENT OF GERMAN BRICKMAKING MACHINERY ENVIRONMENTAL INSURANCE AS A SAFEGUARD FOR COMPANIES FALL IN THE FOREIGN TRADE OF BUILDING BRICKS GOLTSCHTAL AND ELSTERAL BRICKS AS BRICK STRUCTURES. MODERNISING PRODUCTION OF BRICK SLIPS NEW SAFETY AT WORK ACT NO CHANGE IN TRENDS IN GERMAN FINE CERAMICS PRODUCTION OF CERAMIC CLAYS IN GERMANY PROGRESS AND INNOVATION IN RESEARCH AND DEVELOPMENT QUALITY CONTROL AND CERTIFICATE OF CONFORMITY FOR REDUCTION OF MANUFACTURING COSTS BY THE FLEXIBLE USE REDUCTION OF NOX IN FURNACE EMISSIONS REDUCTION OF THE SULPHUR OXIDE EMISSIONS DURING TUNNEL SAND-LIME BRICK INDUSTRY IN THE CONTEXT OF THE THERMAL INSULATION ORDER 2005 USE OF COMBINED HEAT AND POWER PLANTS IN THE BRICK AND VACUUM LOW-E COATINGS SAVE ENERGY WHERE RAW MATERIALS COME FROM CERAMIC CLAYS FROM

## GIBBSITE

INVESTIGATION OF THE HYDRATION AND DEHYDRATION OF GLASS

<sup>31</sup>P MAS-NMR STUDIES OF PHOSPHATE SALTS FORMATION ON ABOUT THE COORDINATION NUMBER OF INDIUM IN ABSORPTION AND EMISSION SPECTRA OF Ho<sup>3+</sup> DOPED ACID CORROSION BEHAVIOUR OF LEAD-CONTAINING SILICATE ACOUSTO-OPTICAL EFFICIENCY OF GERMANATE GLASSES ADVANCED AND SPECIALTY GLASSES CONTINUE TO GROW ADVANCED SOFTWARE DEVELOPMENT TO DETERMINE GLASS "ALEXANDRITE" EFFECT AND OPTICAL PROPERTIES OF HOLMIUM ALKALI FLUOROZIRCONATE GLASSES ALKALI METAL ION MIGRATION CONTRAL ALKALINE EARTH MODIFIED GERMANIUM SULPHIDE GLASS ALKALI-ZINC-SILICATE GLASS-CERAMICS AND GLASSES ALTERNATIVE VIEW OF THE DEGRADATION OF BIOGLASS ALUMINIUM NITRIDE-COMPATIBLE THICK-FILM BINDER GLASS ANALYTICAL MODEL FOR MATERIAL REMOVAL IN ABRASIVE JET ANISOTROPIC GLASSES AND GLASS MELTS - A SURVEY ANOMALOUS SPECIFIC HEAT AND OTHER PROPERTIES OF ANTIMICROBIAL CERAMICS PRODUCTS - TITANIA APPARATUS AND METHOD FOR INSPECTING HOT GLASS APPARATUS FOR AND METHOD FOR BENDING GLASS SHEETS

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- APPARATUS FOR AND METHOD OF BENDING GLASS SHEETS  
APPARATUS FOR AND METHOD OF HEATING AND BENDING GLASS  
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SLAG WASTE IN THE PRODUCTION OF GLASS CRYSTALLITE  
STRESS ANALYSIS OF CONTACT DEFORMATION IN  
STUDY ON M2O-CaO-ZrO2-SiO2 GLASS-CERAMIC SYSTEM AS  
STUDY ON THE POROUS GLASS-CERAMICS IN THE PHOSPHATE  
SYNTHESIS AND CHARACTERISATION OF  
SYNTHESIS, CHARACTERISATION AND SINTERING OF SOL-GEL  
TECHNOLOGICAL COATINGS FOR PROTECTING HEATED TITANIUM  
THERMAL EXPANSION PROPERTIES OF LITHIUM ALUMINIUM  
TRANSPARENT GLASS-CERAMICS  
USING ARMENIAN ROCK AS A GLASS CRYSTAL MATERIAL  
X-RAY DATA FOR NEW Y-Si-AL-O-N GLASS-CERAMICS  
**GLASSES**  
X-RAY DIFFRACTION AND EXAFS STUDIES OF SILICATE  
**GLASSMAKING**  
3D MODELLING OF 100% OXYGEN COMBUSTION IN GLASSMAKING  
ADVANCED TECHNOLOGY IN GLASS ANNEALING AND DECORATING  
AUTOMATED GLASSWARE MANUFACTURE CONTROLLER  
BENDING OF ANNEALED AND LAMINATED GLASS  
CONTROL FOR GLASS-FORMING MACHINE  
COOLING CAPACITY OF WATER-AIR MIXTURES IN HARDENING OF  
DEFORMATION OF PVB FILMING OF TRIPLEX GLASS  
DESIGN FOR AN OPTIMISED GOB-FORMING SYSTEM  
FINITE ELEMENT CONTRIBUTIONS TO GLASS MANUFACTURING  
GLASS FEEDER HEAT Baffle  
GOB DISTRIBUTOR FOR GLASSWARE FORMING MACHINES OR FOR  
HOT END TEND ANALYSIS IMPROVES GLASS CONTAINER  
HOT END WARE HANDLING ON HIGH SPEED OR FLEXIBLE  
IMPLICATIONS OF ACT PLATINUM COATING TECHNOLOGY ON THE  
INDIVIDUAL SECTION GLASS BLOWING MACHINE WITH MOVING  
INNOVATIVE BENDING AND TEMPERING SYSTEM  
INTEGRATED MATHEMATICAL MODEL OF FLOAT PROCESS  
MACHINE FOR ROTATING BOTTLES AT AN INSPECTION STATION  
MATHEMATICAL MODELLING IN RESEARCH AND DESIGN OF  
MEASURING AND CONTROLLING GLASS OXIDATION  
METHOD AND APPARATUS FOR MAKING GLASS  
METHOD FOR MAKING GLASS ARTICLES  
MODELLING AND CONTROL OF A GLASS MELTING TANK VIA  
MODELLING OF BUBBLE REMOVAL FROM GLASSMELTS AT FINING  
MODERN SYSTEM FOR PROCESS CONTROL IN THE PRODUCTION OF  
MODERN MOLTEN GLASS TEMPERATURE IN THE FOREHEARTH  
MULTICOMPONENT BATCHING COMPLEXES  
MUTUAL INTERACTION OF THE DEVELOPMENT OF GLASS AND  
NEW IDEAS FOR BATCH CALCULATION  
OLIVETTO PRESS-AND-BLOW MACHINES  
PHYSICAL MODELLING OF FLOW BEHAVIOUR IN A STIRRED  
POSSIBLE REPLACEMENT OF RAW MATERIALS IN CONTINUOUS  
PRODUCTION OF REINFORCED GLASS WITH AN ELEVATED GLASS  
PROSPECTS OF STRENGTHENING THIN AND SUPERFIN GLASSES  
QUALITY AND MELTING  
QUALITY ASSURANCE AND QUALITY CONTROL DURING THE  
RATING FOR HEARTH WITH PULL RATE WITH MASS HEAT EXTRACTOR  
RAPID NONTOXIC NITRIDING OF MOLDS AND PARTS OF  
RECYCLING OF CULLET AND FILTER DUST IN THE GERMAN  
ROBOTS INCREASE QUALITY AND PRODUCTION CAPACITY  
SCIENTIFIC RESEARCHES FOR RECYCLING PRODUCTION OF  
SEGREGATION AFFECTS GLASS QUALITY  
SILICATE GLASS CERAMIC COMPOSITES WITH POLYFLO, A FINITE  
SPECIAL FEATURES OF THE TECHNOLOGY OF CONTINUOUS  
THERMAL INSULATION OF GLASS FURNACE CROWNS  
USE OF SACKHER SANDS IN PRODUCTION OF GLASS  
USE OF ZINC SELENITE IN GLASS MANUFACTURE  
ZERO DEFECT QUALITY THROUGH MACHINE VISION  
**GLAZES**  
BEHAVIOUR OF ENAMELS FOR HOLLOW GLASSWARE AS A  
CERAMIC CIRCUIT BOARD AND PROCESS FOR PRODUCING SAME  
CHARACTERISATION AND UTILISATION OF WOOD ASH IN THE  
CERAMIC PIGMENT PRODUCTION OF MICROCHROMETRIC ZEOLITIC  
COLOURS, PIGMENTS AND DECORATION  
CRYSTALLINE GLAZES  
DESIGNING GLAZES FOR THE SINTERING-ONLY APPROACH TO  
DEVELOPMENT OF LEADLESS FRIT GLAZE FOR BONE CHINA  
ENVIRONMENTALLY BENEFICIAL DECORATION FOR FAST FIRING  
EVALUATION OF INDUSTRIAL WASTE AS ALTERNATIVE RAW

76-00247A  
76-02603A  
76-07433A  
76-05109A  
76-02645A  
76-02604C  
76-07201A  
76-03061A  
76-07252P  
76-07129A  
76-07071C  
76-01472A  
76-00204A  
76-05179A  
76-00255A  
76-00256A  
76-05181A  
76-00203A  
76-00205A  
76-05110A  
76-00107C  
76-07253P  
76-00203A  
76-03399A  
76-03074C  
76-05735P  
76-02610C  
76-05852A  
76-02638P  
76-09066P  
76-02612A  
76-00206A  
76-02654A  
76-02657A  
76-08705A  
76-02560A  
76-05186A  
76-02657A  
76-07149C  
76-00287A  
76-07088A  
76-00281A  
76-07224A  
76-06726P  
76-07262P  
76-02621A  
76-04517A  
76-07239A  
76-04024A  
76-04834A  
76-00635C  
76-00636A  
76-00267A  
76-00300A  
76-00744A  
76-07029A  
76-04517A  
76-00315P  
76-01563A  
76-07103A  
76-02579A  
76-08121A  
76-07182B  
76-03803P  
76-07179B  
76-01388P  
76-02585A  
76-05172A  
76-07190B  
76-02644A  
76-07250P  
76-05913P  
76-05177A  
76-05178A  
76-02650A  
76-03810P  
76-08323B  
76-01425P  
76-08242P  
76-08183A  
76-07206B  
76-07255P  
76-01425P  
76-05954A  
76-07208A  
76-06876A  
76-07209B  
76-08186A  
76-00489C  
76-05184A  
76-07215B  
76-07218A  
76-02659A  
76-07227A  
76-05188A  
76-05190A  
76-06901A  
76-03926A  
76-08209A  
76-00292C  
76-07233B  
76-02663A  
76-02568A  
76-00292A  
76-00297A  
76-03903A  
76-08436A  
76-02667A  
76-02668B  
76-05193A  
76-08308A  
76-04533P  
76-03926A  
76-02978C  
76-02979A  
76-00581C  
76-07369A  
76-07372A

## EVOLUTION OF CERAMIC TILE GLAZES

## EVOLUTION OF GLAZING AND GLAZES

## FORMULATING LEAD-FREE GLAZES

FUTURE DEVELOPMENTS IN GLAZING AND GLAZES IN THE GLAZE PROBLEMS FROM A GLASS SCIENCE PERSPECTIVE  
GLAZES FROM PRE-MILLED RAW MATERIALS  
HIGH-MELTING OPACIFIED GLAZES FOR HOUSEHOLD CERAMICS  
INTERACTION OF FRITS FOR CERAMIC TILINGS AND INVESTIGATIONS INTO WASHING AGENT ATTACKS ON BONE LEAD- AND CADMIUM-FREE GLASS COMPOSITION FOR GLAZING METAL MARKING BEHAVIOUR OF STONEWARE GLAZES  
METHOD FOR COLOUR ADJUSTMENT IN TRANSPARENT OPAQUE MODERN METHODS OF GLAZE CHARACTERISATION  
OPTIMISING GLAZE TRANSPARENCY BY DESIGN  
POTASSIUM FELDSPARS WITH LOW-IRON AND SODIUM CONTENTS  
PREDICTING THE PHASE COMPOSITION OF HETEROGENEOUS RHEOLOGICAL BEHAVIOUR OF GLAZE SUSPENSIONS. INFLUENCE SLUDGE REUSE IN GLAZES AND ENGORES  
STUDY OF CRYSTALLINE-PHASE FORMATION IN FIRING GLAZES  
STUDY OF CRYSTALLINE-PHASE FORMATION IN WHITE STUDY OF UNTREATED ADHERENCE OF GLAZE LAYERS  
STUDY ON  $MgO-CaO-ZrO_2-SiO_2$  GLASS-CERAMIC SYSTEM AS

SUPPRESSION OF LEAD LEACHING FROM OVERGLAZE DECORATION SURFACE DEGRADATION, ROUGHNESS AND VICKERS HARDNESS OF THERMAL STRESSES IN GLAZED SUBSTRATES  
TOUTING THE GOOD GRACES OF GLAZE CALCULATION SOFTWARE  
ULTRAFINE PREPARATION OF GLAZES FOR FAST FIRING IN VISUAL DOCUMENTATION AND ANALYSIS OF GLAZE DEFECTS  
ZIRCONIUM GLAZES WITH REDUCED CONTENT OF  $B_2O_3$

## GLAZING

APPARATUS FOR LOCALIZED SURFACE GLAZING OF CERAMIC COMPOSITION FOR COLOURS AND INTENDED FOR THE EVOLUTION OF GLAZING AND GLAZES  
FLEXIBLE AUTOMATION FOR WHITEWARE  
FUTURE DEVELOPMENTS IN GLAZING AND GLAZES IN THE GLAZING AND GLAZE FACTORIES  
IF YOU BELIEVE WHAT YOU HEAR ABOUT SALT GLAZING AND METHOD AND APPARATUS FOR GLAZING CERAMIC WARE  
METHOD OF MAKING A GLAZING UNIT HAVING THREE OR MORE NEW CONCEPT FOR GLAZING FLAT AND HOLLOWWARE  
NEW TRENDS OF FAST-FIRED CERAMIC TILE GLAZING AND TECHNICAL ADVANCES IN PROCESS DRYING  
WATERLESS GLAZING OF CERAMIC TABLEWARE

## GLOSS

## MODERN METHODS OF GLAZE CHARACTERISATION

## GOLD

AGEING REACTIONS IN A HIGH CARAT GOLD ALLOY FOR DENTAL IMPROVING DURABILITY OF GOLD DECORATION  
TEM CHARACTERISATION OF METALLIC NANOPARTICLES  
THIRD-ORDER OPTICAL NONLINEARITIES OF  
VACUUM TUBE COMPRISING A CERAMIC ELEMENT AND A METHOD

## GRAIN

SINTERING BEHAVIOUR OF  $Al_2O_3-TiO_2-MnO$  DOPED WITH  $MgO$ 

## GRAIN BOUNDARIES

1-2-3 SINGLE CRYSTAL OXIDE SUPERCONDUCTOR CONTAINING ALUMINUM NITRIDE POWDER  
ATOMIC STRUCTURE OF A  $36.8$  (210) TILT GRAIN BOUNDARY BETA-CONDUCTIVITY CONTRAST AT BARIUM TITANATE  
CHEMICALLY INDUCED ZIGZAG MIGRATION IN ALUMINA  
CONDUCTIVE MODE MICROSCOPY OF INTERFACIAL STRUCTURES  
CRYSTALLISATION OF GRAIN BOUNDARY PHASES IN SiC  
CUTTING TOOL COMPOSED OF  $Si_3N_4$   
DIFFUSION INDUCED GRAIN BOUNDARY MIGRATION IN Cr-DOPED DIRECT OBSERVATION OF GRAIN BOUNDARY ELECTRICAL DIRECTION OF LIQUID FILM MIGRATION INDUCED BY CHROMIC DOMAIN STRUCTURE AND  $Y_2O_3$  DISTRIBUTION IN SINGLE-EFFECT OF CALCIUM DOPING ON THE ATOMISTIC STRUCTURE OF EFFECT OF CRYSTALLISATION OF THE GRAIN-BOUNDARY PHASE EFFECT OF VACUUM COOLING ON THE ELECTRICAL PROPERTIES EFFECTS OF PARTICLE SIZE DISTRIBUTION AND INDUCED ELECTRICALLY ACTIVE GRAIN BOUNDARIES: DEFECTS AND FACETING, DISLOCATION NETWORK STRUCTURE, AND VARIOUS GRAIN BOUNDARY MOBILITY IN  $Y_2O_3$ : DEFECT MECHANISM AND GRAIN BOUNDARY-FREE CRYSTALLINE BODY OF GRAIN GROWTH IN  $CaO_2$ : DOPANT EFFECTS, DEFECT GRAIN-BOUNDARY SLIDING IN FLUORINE-DOPED SILICON INFLUENCE OF GRAIN BOUNDARY ON THE ELECTRICAL INFLUENCE OF THE GRAIN-BOUNDARY PHASE AMOUNT ON METHOD FOR MAKING STRONTIUM TITANATE BASED MICROSTRUCTURAL EVOLUTION AND MECHANICAL PROPERTIES OF NANOCHEMISTRY OF GRAIN BOUNDARIES ON THE THERMODYNAMIC STABILITY OF AMORPHOUS PROBING 3-D STRUCTURAL DISTORTIONS AND COORDINATION REDISTRIBUTION OF A GRAIN-BOUNDARY GLASS PHASE DURING SIGMAS (210)(001) SYMMETRIC TILT GRAIN BOUNDARY IN SILICON NITRIDE FILM HAVING A SHORT ABSORPTION SINGLE AND MULTIPLE GRAIN BOUNDARY DIFFUSION THROUGH SINTERED SILICON NITRIDE OF HIGH TOUGHNESS, STRENGTH SINTERED SILICON NITRIDE-BASED BODY SURFACE AND GRAIN-BOUNDARY ENERGIES IN

## GRAIN GROWTH

ANISOTROPIC GRAIN GROWTH IN  $Al_2O_3-Fe_2O_3$ -DOPED ALUMINA COMPUTER SIMULATION OF GRAIN GROWTH UNDER THE COMPUTER SIMULATION OF SINTERING PROCESS OF SOLID CONTROL AND CHARACTERISATION OF ABNORMALLY GROWN DETERMINATION OF GRAIN MORPHOLOGY IN  $Si_3N_4$  CERAMICS DIAMOND COATED TOOLS AND WEAR PARTS EFFECT OF LIQUID-FORMING ADDITIVES ON THE EFFECT OF MATRIX GRAIN GROWTH KINETICS ON COMPOSITE EFFECT OF  $SiO_2$  AND  $TiO_2$  ADDITION ON THE EXAGGERATED EFFECT OF THE ADDITION OF  $Fe_2O_3$  TO  $Al_2O_3$  EFFECT OF WETTABILITY OF GRAINS BY A LIQUID PHASE ON EFFECTS OF PARTICLE SIZE DISTRIBUTION AND INDUCED GRAIN GROWTH DURING CHR SINTERING OF  $ZnO$  IN WATER GRAIN GROWTH IN THE  $MnO$  ADDED  $ZnO-6 wt\%$   $Sb_2O_3$  CERAMIC GRAIN GROWTH KINETICS OF LIME AND PERCLASE PHASE IN GRAIN GROWTH OF DENSE  $SiC-Ni$  ADDITIVE AND SiC AT HIGH GRAIN MORPHOLOGY AND INTERGRANULAR MICROSTRUCTURE OF HIGH TEMPERATURE MECHANICAL BEHAVIOUR OF INFLUENCE OF ALUMINIUM TITANATE FORMATION ON SINTERING INFLUENCE OF A LIQUID PHASE ON THE MICROSTRUCTURE LIQUID PHASE SINTERING OF SILICON CARBIDE LOCAL DENDRITE DEVELOPMENT DURING SEEDED PERITECTIC NORMAL AND ABNORMAL GRAIN GROWTH RATES IN A SPHERICAL ON THE EXTENSION OF THE ALPHA-SILICON SOLID SOLUTION PARTICLE-INHIBITED GRAIN GROWTH IN  $Al_2O_3-SiC$  PT.1. PARTICLE-INHIBITED GRAIN GROWTH IN  $Al_2O_3-SiC$  PT.2. PREPARATION AND CRITICAL CURRENT DENSITY OF Bi-BASED PREPARATION OF  $Mg_3Sb_2N_4$  USING MAGNESIUM PREPARATION OF NANOSTRUCTURED COMPOSITES OF TITANIUM PROCESS FOR MAKING DIAMOND COATED TOOLS AND WEAR PARTS SINTERING AND GRAIN GROWTH BEHAVIOUR OF NANOSTRUCTURED

SINTERING AND GRAIN GROWTH OF 3 MOL% YTTRIA ZIRCONIA SINTERING AT LOW TEMPERATURE OF RANDOMLY ORIENTED SINTERING BEHAVIOUR OF SPINEL WITH  $TiO_2$  ADDITION SUPERPLASTIC DEFORMATION OF HIPED MAJCOA SPINEL SUPPRESSION OF GRAIN GROWTH IN SOL-GEL-DERIVED TIN

## GRAIN SHAPE

DETERMINATION OF GRAIN MORPHOLOGY IN  $Si_3N_4$  CERAMICS

## GRAIN SIZE

ADVANCES IN IMAGE ANALYSIS TECHNIQUES FOR CERAMICS ANALYSIS OF BRIDGING STRESS EFFECT OF POLYCRYSTALLINE ANNUAL DIAMOND BODIES  
BLADE FOR A ROTARY COMPRESSOR  
CEMENTED CERAMIC ARTICLE MADE FROM ULTRAFINE SOLID CERAMIC TENSILE STRENGTH-GRAIN SIZE RELATIONS: GRAIN CERAMIC-PARTICLE-DISPERSED METALLIC MEMBER  
CHAMOTTE TESTS IN REGARD TO VITRIFIED CLAY SEWER PIPES CONTROL AND CHARACTERISATION OF ABNORMALLY GROWN DENSIFIED MICROGRAIN REFRACTORY METAL OR SOLID DETERMINATION OF GRAIN MORPHOLOGY IN  $Si_3N_4$  CERAMICS DIELECTRIC STRENGTH OF FINE GRAINED BARIUM TITANATE EFFECT OF ALUMINA GRAIN SIZE ON SPINEL FORMATION EFFECT OF GRAIN SIZE DISTRIBUTION ON PROPERTIES OF EFFECT OF GRAIN SIZE ON DIELECTRIC BEHAVIOUR OF  $BaTiO_3$  EFFECT OF RARE EARTH ION DOPANTS ON THE GRAIN SIZE OF EFFECT OF  $SiO_2$  AND  $TiO_2$  ADDITION ON THE EXAGGERATED EFFECT OF VARIATIONS IN GRAIN SIZE AND GRAIN BOUNDARY EFFECTS OF MATRIX GRAIN SIZE ON THE MECHANICAL ELECTRICAL BREAKDOWN OF THE POSITIVE TEMPERATURE FINE GRAIN DIAMOND TOOL AND METHOD OF MANUFACTURE GRAIN SIZE DEPENDENCE OF ANATASE-TO-RUTILE STRUCTURAL GRAIN SIZE DEPENDENCE OF SLIDING WEAR IN TETRAGONAL GROUP IVB BASED MATERIALS GROUP IVB BORIDE BASED ARTICLES, ARTICLES, CUTTING HIERARCHY OF MICROMECHANICAL INFLUENCES ON FRICTION HYDROGEN SULPHIDE CONVERSION WITH NANOPHASE TITANIA IN SITU SYNTHESIS OF  $TiCp/NDAl$  COMPOSITES UNDER HIGH INFLUENCE OF THE MICROSTRUCTURE ON THE PROPERTIES OF MEASUREMENT OF CRACK TIP TOUGHNESS IN ALUMINA AS A METHOD FOR MANUFACTURING A CRYSTALLIZED GLASS MAGNETIC FIBROUS CERAMIC SINTERED CERAMIC SINTERED BODIES METHOD OF PRODUCING SILICON NITRIDE CERAMIC COMPONENT MICROELECTRONIC DEVICE WITH CAPACITORS HAVING MICROSTRUCTURE, ELECTRICAL CONDUCTIVITY, AND Ni FERRITE AND CORE MADE OF Ni FERRITE FOR POWER CRYSTALLINE SILICON CARBIDE ELECTRIC CONVERSION PROCESS FOR MANUFACTURING A LARGE GRAIN TUNGSTEN PROCESS FOR THE PRODUCTION OF FINE-GRAINED CERAMIC PURE BARIUM TITANATE CERAMICS: CRYSTALLINE STRUCTURE QUANTITATIVE HOMOGENEITY DEGREES FOR ADDITIVE ALUMINA RESIDUAL STRESS IN CERAMICS WITH LARGE THERMAL EFFECT OF CERIUM ADDITION TO  $Si_3N_4$  SILICON NITRIDE CERAMIC HAVING HIGH FATIGUE LIFE AND SPHERICAL NITRIDE STRONG HIGH-TEMPERATURE SUPERCONDUCTOR TRAPPED FIELD THERMALLY SPLIT ZIRCONIUM SILICATE, METHOD OF ITS ULTRASMooth ADHERENT DIAMOND FILM COATED ARTICLE AND ZIRCONIA BASED CERAMIC MATERIAL

## GRAINS

ABRASIVE GRAIN  
ABRASIVE MEMBER  
ALPHA ALUMINA-BASED ABRASIVE GRAIN CONTAINING SILICA CERAMIC INCLUDING ALUMINA AND A COMPLEX OXIDE CERAMIC POROUS BODY AND METHOD OF PREPARING THE SAME INITIAL GROWTH STAGE OF  $Al_2O_3$  GROWN DIRECTLY ON METHOD FOR MAKING AN ABRASIVE ARTICLE  
METHOD OF MAKING alpha-ALUMINA-BASED ABRASIVE GRAIN METHOD OF MAKING ALUMINA ABRASIVE GRAIN HAVING A METAL METHOD OF MANUFACTURING AN ENCASED WIRE OF HIGH MICROWAVE SINTERING OF GEL DERIVED ABRASIVE GRAIN PROCESS FOR SYNTHESIZING DIAMOND USING COMBUSTION SUPERPLASTIC SILICON CARBIDE SINTERED BODY

## GRANULATES

CYCLONE SPRAY DRIED GRANULATION GRAIN SIZE ADJUSTMENT IN FLUIDISED BED GRANULATION INFLUENCE OF THE BINDER ON THE PROPERTIES OF THE OPTIMISED EVALUATION OF  $Zn$ -FERRITE GRANULATES PROCESS FOR MANUFACTURE OF  $SiO_2$  GRANULES THEORETICAL MODEL FOR COMPACTION OF GRANULAR MATERIALS

## GRANULATION

CYCLONE SPRAY DRIED GRANULATION GRAIN SIZE ADJUSTMENT IN FLUIDISED BED GRANULATION HEAT TECHNICAL PROCESS ANALYSIS OF FLUIDISED BED METHOD OF REPROCESSING ZINC- AND IRON OXIDE-CONTAINING MODERN MIXING AND GRANULATING PROCESSES FOR THE NEW PROCESS FOR THE INTEGRATION OF STRUCTURAL GRAINS PORCELAIN TILE GRANULATION: AESTHETIC BENEFITS USE OF BUILT-UP GRANULATE IN TILE MANUFACTURE

## GRANULES

COMPOSITE CEMENTED CARBIDE DEPENDENCE OF COMPACTION BEHAVIOUR OF SPRAY-DRIED EFFECT OF CHARACTERISTICS OF COMPRESSIVE DEFORMATION EFFECT OF SUSPENSION PROPERTY ON GRANULE MORPHOLOGY REFRACTORY CERAMIC MASS AND ITS USE STUDY ON TEST METHOD FOR STRENGTH OF CERAMIC SPRAY

## GRAPHITE

AMORPHISATION OF GRAPHITE INDUCED BY MECHANICAL ANTIOXIDATIVE PROTECTIVE COATINGS FOR CARBON MATERIALS APPARATUS FOR GROWING SiC CRYSTALS CERAMIC ELECTROSTATIC CHUCK WITH BUILT-IN HEATER CHARACTERISATION OF FLAKE GRAPHITE FOR CARBON-BONDED COMPOSITION AND PROCESS FOR FORMING DIESEL ENGINE DENSE, SELF-SINTERED SiC-CARBON GRAPHITE COMPOSITE DETERMINATION OF SELECTED PROPERTIES OF DIAMOND FILM DEPOSITION ON GRAPHITE EFFECT OF REFRACTORY OXIDES ON THE OXIDATION OF ELECTRICALLY CONDUCTIVE TITANIUM SUBOXIDES EVALUATION OF NOVEL REFRACTORY MATERIALS FOR THE GRAPHITE CONTAINING UNSHAPED REFRACTORIES GRAPHITE-Cu AND GRAPHITE-Mo JOINED BY SOLID STATE GRAPHITE-LOADED SILICON CARBIDE GRAPHITE FOR PETRISSATION OF ALKES BY ALUMINIUM IMPROVEMENT IN FLOWABILITY, OXIDATION RESISTANCE AND INFLUENCE OF GRAPHITE-FLAKE ORIENTATION ON TEXTURAL METAL, ALLOY, OR METAL CARBIDE NANOPARTICLES AND A PROCESS FOR PRODUCING A SINTERED CERAMIC BODY REFRACTORY CERAMIC MASS AND ITS USE

76-04162A

76-02009A

76-02940A

76-08531C

76-02019A

76-08660C

76-08252C

76-08450A

76-02228P

76-01670P

76-04532P

76-09210A

76-02527P

76-02704A

76-08652A

76-02229P

76-08660C

76-03370A

76-05252A

76-02851A

76-05648A

76-07567A

76-07900A

76-03182A

76-02213A

76-05654A

76-09006P

76-04115A

76-04116A

76-02397P

76-06284P

76-08504C

76-04565P

76-07007A

76-00928A

76-09243A

76-01044P

76-07455P

76-06869P

76-00787P

76-03405A

76-05745P

76-07686A

76-06728P

76-06749P

76-07964C

76-09185C

76-07868A

76-02313P

76-04672P

76-01128P

76-06783P

76-04686P

76-04687P

76-06206P

76-02396P

76-08322P

76-04565P

76-06560P

76-06562P

76-07611C

76-06930P

76-06931P

76-06933P

76-04963P

76-04964P

76-04965P

76-03649P

76-01953A

76-09115P

76-04675P

76-01184A

76-05988A

76-01953A

76-03480A

76-09099P

76-04516A

76-01184A

76-00598A

76-06013A

76-09071P

76-01247C

76-07315A

76-03012A

76-00649A

76-04542P

76-03464A

76-01198A

76-03699A

76-01871C

76-02968P

76-08300A

76-01155A

76-08812C

76-08233P

76-08747P

76-02816C

76-04545P

76-04546P

76-08996P

76-00409C

76-08998P

76-00432A

76-04557P

76-04558P

76-02865C

76-00445C

76-01219C

76-02081P

76-01473A

76-00454A

76-02874A

76-00464C

76-02100P

76-07749P

76-07362P

- SELF-SINTERED SILICON CARBIDE/CARBON GRAPHITE  
VOLTAGE TUNABLE DIELECTRIC CERAMICS WHICH EXHIBIT LOW  
**GREECE**  
NEW TECHNOLOGIES FOR TILE PRESSING AND FAST FIRING IN  
TECHNICAL PROPERTIES OF COMPOUNDED KAOLIN SAMPLE FROM  
**GREEN BODIES**  
APPARATUS FOR IN SITU GREEN SHEET SLITTING  
**GREEN SHEETS**  
PROCESS FOR PREPARING CERAMIC PRODUCTS  
**GRINDING**  
BEHAVIOUR OF AN OXIDE SLURRY DURING ITS ATTRITION  
BEHAVIOUR OF CERAMICS USED IN MECHANICAL COMPONENTS  
CALCULATION OF THE DIMENSIONAL UNIFORMITY DEGREE FOR  
CERAMIC COMPOSITION FOR ABSORBING ELECTROMAGNETIC WAVE  
CERMET AND METHOD OF PRODUCING IT  
CHARACTERISATION OF ABN800  
COATED ABRASIVE ARTICLE  
COATED GRINDING TOOL  
COMMINUTION OF WHITE FUSED ALUMINA AND WEAR OF  
CONTINUOUS CONICAL MILL FOR THE GRINDING OF CERAMIC  
CONTINUOUS CONICAL MILL IN THE GRINDING OF CERAMIC RAW  
CORRELATION BETWEEN PHASE TRANSFORMATION AND SURFACE  
CRYSTALLINITY VARIATIONS IN KAOLINITE INDUCED BY  
CURRENT PROBLEMS AND FUTURE DIRECTIONS FOR CERAMIC  
DYE PREPARATION IN THE BRICK AND TILE INDUSTRY  
DUCTILE REGIME MIRROR FINISH GRINDING OF CERAMICS WITH  
EFFECTING OF GRINDING OF  $Y_2O_3$ ,  $BaCO_3$  AND  $CuO$  ON  
FABRICATION OF POROUS CAST-IRON BONDED DIAMOND  
FACILITY FOR GRINDING SILICON NITRIDE CERAMIC  
FINE GRINDING OF TOSIC POWDERS USING ROTARY  
FINE PREPARATION IN BUILDING AND HEAVY CLAY CERAMICS  
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- 76-09117P  
76-06749P  
76-04657P  
76-09119P  
76-08751P  
76-05799P  
76-09122P  
76-02925A  
76-01990A  
76-05747P  
76-03597A  
76-01885A  
76-02452A  
76-01779A  
76-01527A  
76-04662P  
76-09124P  
76-01713P  
76-07401P  
76-03346P  
76-07856P  
76-0361C  
76-02940A  
76-04315P  
76-02175P  
76-07969P  
76-06416A  
76-08583A  
76-02178P  
76-02179P  
76-03439A  
76-04027A  
76-06315A  
76-03485A  
76-08067A  
76-03625P  
76-02157P  
76-08963A  
76-06178A  
76-04352C  
76-03904A  
76-09138P  
76-09205A  
76-06790P  
76-05635P  
76-04205P  
76-01677P  
76-06458C  
76-08337P  
76-08332A  
76-04205P  
76-04309P  
76-01208A  
76-04567P  
76-01422P  
76-08678A  
76-04684P  
76-00543C  
76-05204A  
76-02316A  
76-04864A  
76-02322A  
76-04876A  
76-01195A  
76-03883A  
76-02351A  
76-00338A  
76-05858A  
76-00340A  
76-01254A  
76-04921A  
76-09335A  
76-04928A  
76-01285A  
76-05961A  
76-04934A  
76-04932A  
76-04937A  
76-09352A  
76-03367A  
76-06914A  
76-02333A  
76-00324C  
76-00351A  
76-00328A  
76-07534C  
76-03245A  
76-07531C  
76-07602C  
76-03213A  
76-07615C  
76-07629C  
76-07634C  
76-07679C  
76-07692C  
76-07693C  
76-07697C  
76-09214C  
76-08657A  
76-02282A  
76-02130P  
76-01528C  
76-05234A  
76-08643C  
76-08110A  
76-05301P  
76-08314A  
76-06875P  
76-05775P  
76-04898A
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FABRICATION AND CHARACTERISATION OF A HIGH TEMPERATURE  
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HIGH TEMPERATURE TENSILE TYPING OF POLYCRYSTALLINE  
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HIGH-TEMPERATURE TIGHTENING MECHANISMS OF PARTICLE AND  
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INTERMEDIATE-TEMPERATURE ENVIRONMENTAL EFFECTS ON
- 76-08525A  
76-08091P  
76-00482C  
76-00715A  
76-04272A  
76-05761P  
76-06159A  
76-08249P  
76-05513P  
76-08293P  
76-01415P  
76-04739P  
76-07029A  
76-06274A  
76-04191A  
76-04200A  
76-08026A  
76-05330C  
76-00379C  
76-08643C  
76-08452A  
76-06812C  
76-02804C  
76-02809C  
76-05242A  
76-01417P  
76-05472P  
76-05302P  
76-02246A  
76-04744A  
76-01758A  
76-05045C  
76-08650A  
76-08459A  
76-03835C  
76-01586A  
76-08352A  
76-02232A  
76-03935C  
76-04751C  
76-09215C  
76-06109P  
76-04752C  
76-09216C  
76-03512A  
76-04754C  
76-08220C  
76-04758C  
76-04087A  
76-09218C  
76-03938C  
76-06109P  
76-04090C  
76-08268C  
76-04762C  
76-04723A  
76-08220C  
76-05247A  
76-02844C  
76-08475C  
76-02846A  
76-02852C  
76-05047A  
76-00092A  
76-04730C  
76-08483A  
76-05134C  
76-07427A  
76-07301A  
76-00688A  
76-09151C  
76-04769C  
76-06202C  
76-06003C  
76-02864A  
76-08490A  
76-08490A  
76-00437C  
76-02852C  
76-05353C  
76-08492A  
76-04777C  
76-04780A  
76-06793C  
76-08500A  
76-01754A  
76-01756A  
76-07305A  
76-09234A  
76-04783A  
76-04119A  
76-09235A  
76-04784C  
76-08507C  
76-09236A  
76-04785C  
76-03964A  
76-04786C  
76-00498C  
76-08280C  
76-04787C  
76-02870A  
76-06139A  
76-06234A  
76-09237A  
76-08699A  
76-07437A  
76-07438A  
76-04122A  
76-05777P  
76-05778P  
76-05779P  
76-05780P  
76-04788A  
76-04788A  
76-04733A  
76-02879A  
76-06236A  
76-01791A  
76-08683A  
76-08684C  
76-02888A  
76-00466C  
76-06239C  
76-09197A

- 76-01224A  
76-07008A  
76-07924C  
76-09044P  
76-09050P  
76-08651P  
76-08651A  
76-04144C  
76-08561A  
76-08575A  
76-05073A  
76-05362A  
76-06536C  
  
76-00416A  
  
76-06211C  
76-04228A  
76-03681C  
76-04121C  
76-04413C  
76-04235A  
76-07415A  
76-01920C  
76-0422A  
76-05046A  
76-03521A  
76-04433A  
76-04434A  
76-04435A  
76-01749A  
76-06224C  
76-08668A  
76-02499A  
76-06416C  
76-05098A  
76-03062C  
76-01948C  
76-03545A  
76-06435A  
76-0655A  
76-07007A  
76-09240A  
76-03394C  
76-09241C  
76-06135C  
76-05097C  
76-06242C  
76-04796A  
76-04585P  
76-09040P  
76-05089A  
76-04007C  
76-04809A  
76-06465A  
76-04470A  
76-03996C  
76-04124A  
76-04278A  
76-05883C  
76-02512A  
76-05068A  
76-06268C  
76-03589A  
76-04820A  
76-01980A  
76-00262A  
76-06157C  
76-06071A  
76-06506C  
76-06507A  
76-06508A  
76-06259C  
76-08571A  
76-05097P  
76-08948C  
76-06513C  
76-06514A  
76-08725A  
76-08544C  
76-08418A  
76-00528C  
76-08736C  
76-06344C  
76-02308C  
76-02029C  
  
76-03053A  
76-04986A  
76-01389P  
76-07440C  
76-08711C  
76-06859A  
76-03098C  
76-07460A  
  
76-08132A  
76-05442C  
  
76-09073P  
76-09123P  
  
76-00017A  
76-08972C  
76-02408A  
76-06565C  
76-08805A  
76-04531P  
76-06946A  
76-08989P  
76-06990A  
76-02831A  
76-01460C  
76-02424A  
76-06990A  
76-00168C  
76-02431A  
76-01478A  
76-06017A  
76-00037A  
76-06956A  
76-01064A  
76-00452A  
76-02432C



- INCORPORATION OF FLY ASH INTO GOLD STABILISED CLAY  
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INFLUENCE OF ETHANOLAMINES ON THE HYDRATION AND  
INFLUENCE OF KOH SOLUTION ON THE HYDRATION AND  
INFLUENCE OF THE TYPE OF CALCIUM SULPHATE ON THE  
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MgO RAW MATERIAL IMPROVED THE HYDRATION RESISTANCE  
MgO RAW MATERIAL WITH IMPROVED HYDRATION RESISTANCE  
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REINFORCING FIBRE PELLETS  
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MODELING OF MASS AND ENERGY TRANSPORT IN H<sub>2</sub> PLASMA  
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- HYDROGENATION**  
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- HYDROLYSIS**  
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CRYSTALLISATION OF Zr HYDROXIDE TO ZrO<sub>2</sub> AT OR BELOW  
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FORMATION OF PbO POWDER BY HYDROTHERMAL OXIDATION OF  
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HAFNIA COLLOIDAL SOLUTION FROM HYDROTHERMAL SYNTHESIS  
HIGH-PERFORMANCE PZT CERAMICS FROM HYDROTHERMALLY  
HYDROTHERMAL BaTiO<sub>3</sub> THIN FILMS ON Ti-COVERED SILICON:  
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HYDROTHERMAL SYNTHESIS AND CHARACTERISATION OF  
HYDROTHERMAL SYNTHESIS AND METAL ION ADSORPTIVE  
HYDROTHERMAL SYNTHESIS AND SINTERING OF FINE POWDERS  
HYDROTHERMAL SYNTHESIS OF ALUMINA-DOPED AND UNDOPED  
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HYDROTHERMAL SYNTHESIS OF IRON AND NICKEL OXIDES WITH  
HYDROTHERMAL SYNTHESIS OF Na BEIDELLITE FROM  
HYDROTHERMAL SYNTHESIS OF PbTiO<sub>3</sub> FROM PbO AND TiO<sub>2</sub>  
HYDROTHERMAL SYNTHESIS OF PbTiO<sub>3</sub> POWDERS  
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KINETICS AND MECHANISMS OF HYDROTHERMAL SYNTHESIS OF  
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MICROWAVE-HYDROTHERMAL PROCESSING OF LAYERED ANION  
MODIFICATIONS OF ALPHA-ALUMINA UNDER HYDROTHERMAL
- 76-02738A  
76-04988A  
76-00039A  
76-00040A  
76-04989A  
76-01621A  
76-05003A  
76-08523A  
76-06958A  
76-03982A  
76-01502C  
76-03987A  
76-00056A  
76-00059A  
76-06051A  
76-05018A  
76-06974A  
76-02454A  
76-02455A  
76-00063A  
76-06969A  
76-02462A  
76-00066A  
76-02484A  
76-00538A  
76-08852C  
76-06974A  
76-06792D  
76-03239A  
76-02141P  
76-08574A  
76-07566C  
76-07582C  
76-03211A  
76-03212A  
76-07609C  
76-08386C  
76-03236A  
76-07758P  
76-04469A  
76-07666C  
76-08465A  
76-07679C  
76-07681C  
76-03283A  
76-04893A  
76-03172A  
76-08956A  
76-08341A  
76-08457A  
76-08386C  
76-08355A  
76-08150A  
76-03957A  
76-01477A  
76-08417C  
76-05038A  
76-06447C  
76-00709A  
76-02096P  
76-09041P  
76-06653P  
76-02111P  
76-02446A  
76-04142A  
76-04175C  
76-08529C  
76-05202P  
76-09138P  
76-01570A  
76-08387A  
76-03748C  
76-04185A  
76-01449A  
76-01587A  
76-08355A  
76-04086A  
76-01182C  
76-05993A  
76-06952A  
76-06128C  
76-00916A  
76-06008A  
76-02429A  
76-08774A  
76-04117A  
76-03390C  
76-00922A  
76-08376A  
76-01478A  
76-08513A  
76-00702A  
76-06018A  
76-06019C  
76-05662C  
76-06128C  
76-01480A  
76-00923A  
76-07918A  
76-01511A  
76-08513A  
76-04991A  
76-07919A  
76-03967A  
76-05663A  
76-04455A  
76-05272C  
76-03397A  
76-09018P  
76-01625A  
76-06128C  
76-04643A  
76-06033C
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POROUS MULLITE HONEYCOMBS BY HYDROTHERMAL TREATMENT OF  
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- 76-01248C  
76-04470A  
76-05700P  
76-08390A  
76-01635A  
76-08153C  
76-04001A  
76-00958A  
76-08406A  
76-09102P  
76-08733P  
76-06319P  
76-08009C  
76-03435C  
76-08418A  
76-06966A  
76-02017A  
76-01547A  
76-01548A  
76-08594A  
76-02022C  
76-01578A  
76-08093C  
76-06096C  
76-06610P  
76-06343C  
76-06103A  
76-08972P  
76-06293A  
76-08106A  
76-01578A  
76-03920A  
76-08454A  
76-04069A  
76-01672P  
76-02057P  
76-04717A  
76-04073A  
76-01581A  
76-06924A  
76-01911A  
76-01638A  
76-04420C  
76-00088A  
76-02207A  
76-04088C  
76-02494C  
76-04092C  
76-04435C  
76-04438A  
76-04372C  
76-04423A  
76-04107C  
76-08897A  
76-01604A  
76-03472C  
76-01221C  
76-08509A  
76-00103A  
76-08627P  
76-03967A  
76-04456A  
76-04126C  
76-06846A  
76-01879A  
76-04372C  
76-08828A  
76-06448A  
76-03851C  
76-01960A  
76-03045A  
76-06304A  
76-01629A  
76-08628P  
76-04807C  
76-06034A  
76-09180A  
76-04470A  
76-04918A  
76-06198P  
76-04215P  
76-07020A  
76-07021A  
76-02510C  
76-0713P  
76-01638A  
76-02211A  
76-04476C  
76-06489A  
76-06490A  
76-04658P  
76-09121P  
76-08942A  
76-04155A  
76-04156C  
76-04218P  
76-08576A  
76-08577A  
76-06518A  
76-04499C  
76-06520A  
76-01635A  
76-01719P  
76-02020A  
76-04175C  
76-06527A  
76-08134P  
76-04352C  
76-06179A  
76-04188A  
76-04721C  
76-06870A  
76-09274C  
76-02032A  
76-06360P  
76-05249A  
76-00594A  
76-04459A

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CHEMICAL BEAM EPITAXIAL GROWTH OF InP USING EdMin AND  
COLLECTOR-BASE BARRIER LOWERING IN GaInP/GaAs  
DOUBLE CANTILEVER BEAM MEASUREMENTS OF CRACK GROWTH IN  
EFFECTS OF TRIMETHYLINDIUM ON THE PURITY OF  
GaAs-InGaP SWITCH PERFORMING MULTIPLE NEGATIVE-  
GAS-SOURCE MOLECULAR BEAM EPITAXIAL GROWTH AND  
HIGH CURRENT GAIN In<sub>0.5</sub>Ga<sub>0.5</sub>SP/GaAs  
HIGH-PERFORMANCE GaInP/GaAsP STRAINED QUANTUM WELL  
InGaP-InGa<sub>0.5</sub>As-GaAsP STEP COMPOSITIONED DOPED-  
IN-P-BASED MATERIALS FOR LONG WAVELENGTH  
MODELLING OF BREAKDOWN VOLTAGE OF InP-InGaAsP/InGaAs  
MONTE CARLO STUDY OF DIFFUSION PHENOMENA IN In-  
PIEZOREFLECTANCE STUDY OF InP NEAR THE ABSORPTION EDGE  
STUDY OF Be and Mg IMPLANTATION IN In<sub>0.5</sub>Ga<sub>0.5</sub>-xAl<sub>0.5</sub>SP  
STUDY OF MIXED GROUP V NITRIDES GROWN BY GAS-SOURCE  
TRANSPARENT OHMIC CONTACTS FOR SCHOTTKY DIODE OPTICAL  
USE OF DC BASE BIAS FOR ENHANCING THE PERFORMANCE OF  
VAPOUR PHASE ETCHING CHARACTERISTICS OF InP BY HCl  
**INDIUM TIN OXIDE**  
CONDUCTIVE ANTIREFLECTION FILM AND CONDUCTIVE  
DEVELOPMENT OF SINTERING TECHNOLOGY ON ITO  
DRY ETCHING OF TRANSPARENT ELECTRODES IN A LOW  
ELECTROLUMINESCENCE FROM ITO/SiO<sub>2</sub>/Ta<sub>2</sub>O<sub>5</sub>/Al MULTIPLE

ETCHING OF RF MAGNETRON-SPUTTERED INDIUM TIN OXIDE  
FTIR INVESTIGATION OF RF PLASMA DEPOSITED INDIUM-TIN  
ITO SPUTTERING TARGET  
LIQUID CRYSTAL DEVICE AND DISPLAY APPARATUS WITH  
METHOD FOR FORMATION OF INVISIBLE MARKING AND METHOD  
METHOD FOR MANUFACTURING A LOW RESISTANT  
MULTILAYER MAGNETO-OPTIC RECORDING MEDIA  
OXIDE FILMS AND NANO-SIZED POWDERS FABRICATED BY  
PHOTOELECTRIC CONVERSION ELEMENT HAVING AN INFRARED  
PROCESS FOR THE RECYCLING OF SPENT INDIUM OXIDE-TIN  
PRODUCING INDIUM OXIDE-TIN OXIDE POWDERS  
RF AEROSOL PLASMA FABRICATION OF INDIUM TIN OXIDE AND  
SOL-GEL COATED PRODUCTS IN AUSTRALIA  
TRANSPARENT CONDUCTIVE FIBRIL FILMS  
TRANSPARENT, ELECTROCONDUCTIVE SUBSTRATE AND METHOD  
TRANSPARENT OHMIC CONTACTS FOR SCHOTTKY DIODE OPTICAL  
VARIATIONS IN MICROSTRUCTURE AND COMPOSITION OF INDIUM

## INDONESIA

CERAMIC RAW MATERIALS ON THE ISLAND OF BELTUNG  
INDONESIAN MINERAL SANDS  
INDONESIA "WHERE ANYTHING CAN BE ARRANGED"  
KAOLIN AND HALLOYSITE, ASEAN RESOURCES AND TRADE  
ROLLER KILN FOR ROOFING ELEMENTS: CATRAPARAMA CASE  
WHERE RAW MATERIALS COME FROM: BALL CLAYS FROM WEST

## INFILTRATION

AI<sub>2</sub>O<sub>3</sub>/Al PARTICLE-REINFORCED ALUMINUM MATRIX  
ALUMINUM COMPOSITES REDISCOVERED  
CARBON FIBRE-REINFORCED SILICON NITRIDE COMPOSITES BY  
CERAMIC COMPOSITE MATERIAL WITH HIGH HEAT-RESISTANT  
CHARACTERISATION OF SIC FIBRE (SCS-8)  
CMC INTAKE RAMP FOR HYPERSONIC PROPULSION SYSTEMS  
DYNAMIC ANALYSIS OF PRESSURE INFILTRATION PROCESSES  
EFFECT OF MAGNESIUM ALLOYING ADDITIONS ON INFILTRATION  
FABRICATION AND MECHANICAL PROPERTIES OF 3-DIMENSIONAL  
FABRICATION OF THREE-DIMENSIONAL CARBON FIBRE  
FIBRE REINFORCED CERAMIC MATRIX COMPOSITE FABRICATION  
FORMATION OF ALUMINUM NITRIDE-BORON CARBIDE-ALUMINUM  
INFILTRATION AND PYROLYSIS BEHAVIOUR OF  
INFILTRATION OF POROUS ALUMINA BODIES WITH SOLUTION  
INTERACTION BETWEEN CAPILLARY FLOW AND MACROSCOPIC  
LIQUID INFILTRATION AND PYROLYSIS OF SIC MATRIX  
MECHANICAL AND TRIBOLOGICAL PROPERTIES OF  
MECHANISM OF SPONTANEOUS INFILTRATION OF Al-Si ALLOY  
METAL MATRIX COMPOSITE BODIES UTILIZING A CRUSHED  
METHOD FOR MAKING FIBRE-REINFORCED CERAMIC MATRIX  
METHOD FOR PRODUCING A MICROCELLULAR FOAM  
METHOD OF MAKING A BORON CARBIDE CERMET WITH AN  
METHOD OF MAKING A CERAMIC COMPOSITE BY INFILTRATION  
MICROSTRUCTURE AND MECHANICAL PROPERTIES OF  
MODIFICATION OF MICROSTRUCTURE OF ALUMINA CERAMICS  
MULTI-SCALE/ALUMINA COMPOSITES BY INFILTRATION  
MULTIPHASE CERAMICS BY INFILTRATION PROCESSING  
NEAR-NET-SHAPE PROCESSING OF METAL-CERAMIC COMPOSITES  
PHASE COMPOSITION CONTROL IN SIC COMPOSITES PREPARED  
PRECAST BLOCK REFRACTORIES FOR THE 21ST CENTURY  
PRESSURE-PULSED CHEMICAL VAPOUR INFILTRATION OF TIN TO  
PROCESSING ASPECTS OF GLASS-NICALON FIBRE AND  
REACTIVE-INFILTRATION PROCESSING OF SIC-METAL AND  
THERMAL EXPANSION RESPONSES OF PRESSURE INFILTRATED

## INFORMATION SOURCES

MULTIMEDIA: A NEW MEANS OF TECHNICAL COMMUNICATION

## INFRARED

EFFECTS OF MnO<sub>2</sub> ADDITIVES ON THE THERMAL PROPERTIES OF  
GaAs MULTIPLEXERS FOR VLWIR DETECTOR READOUT BELOW 10  
IR SPECTRA OF NON-OXIDE GLASSES OF VARIOUS TYPES  
PREPARATION OF Mn-MODIFIED TETRAGONAL PZT CERAMICS AND

## INJECTION MOLDING

APPLICATIONS OF A NEW RHEOLOGICAL MODEL TO THE  
ARTIFICIAL TOOTH  
CERAMIC INJECTION MOLDING MEETS THE DEMAND FOR  
CERAMIC INJECTION MOLDING (CIM)  
CHARACTERISATION OF MICRO- AND MACROSTRUCTURE OF  
DEBONDING AND SINTERING DEFECTS FROM PARTICLE  
DEVELOPMENTS IN POWDER INJECTION MOLDING  
DISPERSION OF ALUMINA POWDER IN THERMOPLASTIC BINDER  
EFFECTS OF MOLDING PRESSURE ON SINK-MARK DEFECTS OF  
HYDROLYSIS-ASSISTED SOLIDIFICATION (HAS): A NEW  
INFLUENCE OF FORMING TECHNIQUE ON THE SINK-MARK RATE  
INJECTION MOLDABLE CERAMIC AND METALLIC COMPOSITIONS  
INJECTION MOULDED Si<sub>3</sub>N<sub>4</sub> STRUCTURAL COMPONENTS  
INJECTION MOLDING AIN FOR THERMAL MANAGEMENT  
INJECTION MOULDING OF ALUMINA SHAPES  
INJECTION MOLDING OF PORCELAIN PIECES  
INVESTIGATION OF THE SINTERING PROCESS OF INJECTION  
LOW PRESSURE INJECTION MOLDING OF SIC PLATELET  
MICROSTRUCTURE OF ALUMINA CERAMICS MADE BY INJECTION  
MODELLING OF DEPARAFFINATION OF INJECTION MOULDED  
NET-SHAPING OF CERAMIC GREEN PARTS BY HYDROLYSIS  
NEW AND BETTER ADDITIVES ENSURE FABRICATION OF QUALITY  
NEW BINDER SYSTEM FOR CERAMIC INJECTION MOLDING  
OPTIMISATION OF INJECTION MOLDING PROCESS FOR SILICON  
ORIENTATION OF BINDERS AND PARTICLES DURING CERAMIC  
PARTICLE CONTACT BEFORE FIRING  
POLYACETAL BINDER FOR CERAMIC POWDER INJECTION  
POROSITY DEVELOPMENT IN CERAMIC INJECTION MOULDINGS  
POWDER INJECTION MOLDING AND EXTRUSION  
PRACTICAL EXPERIENCES WITH SOME PRINCIPLES PERTINENT  
PROCESS FOR IMPROVING THE DEBONDING RATE OF CERAMIC  
RHEOLOGICAL BEHAVIOUR OF A POLYMER CERAMIC BLEND  
SIC PLATELET ORIENTATION IN A LIQUID-PHASE-SINTERED  
SILICONE OIL-SILICA FILLER PASTE USEFUL IN LIQUID  
SURFACE MODIFICATION OF ALUMINA POWDER FOR LPM  
THERMAL DEBONDING OF INJECTION MOULDED CERAMIC  
WATER-BASED SYSTEM FOR CERAMIC INJECTION MOLDING

## INK JET PRINTING

COLOURS, PIGMENTS AND DECORATION

## INKS

COLOURS, PIGMENTS AND DECORATION  
INK COMPOSITION FOR FORMING THIN FILM  
OPTIMISATION OF DISPERSION AND VISCOSITY OF A CERAMIC  
ORGANIC ADDITIVES AND CERAMIC PROCESSING, 2ND EDITION:  
WATER-BASED CERAMIC MARKING INK FOR MARKING METAL

## INORGANIC MATERIAL

HYBRID SOLIDS AS INTERMEDIATES TO INORGANIC-ORGANIC  
INORGANIC OXIDE-BASED MATERIALS WITH MONODISPERSED  
SILANE-TREATED INORGANIC PIGMENTS  
STAR GELS, NEW HYBRID NETWORK MATERIALS FROM  
STRUCTURE/PROPERTY BEHAVIOUR OF ORGANIC-INORGANIC

## INORGANIC MATERIALS

HYBRID ORGANIC-INORGANIC SYSTEMS DERIVED FROM

## INSPECTION

APPARATUS AND METHOD FOR INSPECTING HOT GLASS  
AUTOMATIC GLAZED TILE INSPECTION

76-00697A  
76-06426A  
76-06359P  
76-00166P  
76-02105P  
76-06642P  
76-01047P  
76-04472C  
76-08532P  
76-09120P  
76-08443P  
76-02000A  
76-03437C  
76-03113A  
76-07529P  
76-05632P  
76-05530A

76-01445C  
76-03969A  
76-01484A  
76-08379A  
76-01413C  
76-08439A

76-02485A  
76-05041A  
76-06379P  
76-04535P  
76-01912A  
76-04234C  
76-05927C  
76-05048A  
76-01934A  
76-08989A  
76-06420C  
76-05054A  
76-08906C  
76-01950A  
76-06441A  
76-06450C  
76-00110A  
76-00113A  
76-00170P  
76-04589P  
76-04595P  
76-02536P  
76-06671P  
76-00117A  
76-01971C  
76-08921A  
76-01972C  
76-00122A  
76-04475C  
76-07323A  
76-01985A  
76-06507A  
76-05072A  
76-07031A

## INFORMATION SOURCES

76-02364C

## INFRARED

76-01601A  
76-03198C  
76-07137C  
76-00951A

## INJECTION MOLDING

76-01160C  
76-06185P  
76-08127A  
76-05826C  
76-04358A  
76-03893A  
76-08141A  
76-01194C  
76-08152A  
76-03712A  
76-02086P  
76-08173A  
76-01956A  
76-05862A  
76-00605A  
76-06135C  
76-06452A  
76-01631A  
76-06147C  
76-06878C  
76-08388A  
76-05879A  
76-08192A  
76-03741A  
76-03743A  
76-03999A  
76-06199A  
76-01339P  
76-03747A  
76-01341P  
76-04394A  
76-04495A  
76-02173P  
76-03786A  
76-04036A  
76-03798A

## INK JET PRINTING

76-02978C

## INKS

76-02978C  
76-06812P  
76-08636A  
76-08193B  
76-03740B  
76-01721P

## INORGANIC MATERIAL

76-06438C  
76-09011P  
76-09128P  
76-06340C  
76-06522C

## INORGANIC MATERIALS

76-06437P

## INSPECTION

76-03873P  
76-02975B

EMERGENCE AND MEASUREMENT OF CONTINUOUS IMPROVEMENT  
HOT END TREND ANALYSIS IMPROVES GLASS CONTAINER  
LPS 40 AUTOMATIC QUALITY CONTROL OF LENS SURFACE  
NEW SIDEWALL AND BOTTOM INSPECTION MACHINE  
PROBING METHOD AND DEVICE  
RESONANT INSPECTION OF PRODUCTION PARTS  
SELECTING A SUITABLE LASER SCANNER  
SOFTWARE ADVANCES ENABLE HIGH-SPEED CONTAINER  
ZERO DEFECT QUALITY THROUGH MACHINE VISION

## INSTABILITY

LOCAL STRUCTURAL STUDY OF Pb-INDUCED INSTABILITY IN  
PROPAGATION OF A THERMAL INSTABILITY IN HIGH-TO

## INSULATION

AIRCRAFT THERMAL PROTECTION SYSTEM  
CERAMIC FIBRE-REINFORCED FIBRE/MICROPARTICLE CERAMIC  
ELECTROSURGICAL INSTRUMENT AND METHOD OF FABRICATION  
FIBROUS GLASS INSULATION ASSEMBLY  
FOAMED CEMENT INSULATED METAL FRAME BUILDING SYSTEM  
HIGHLY INSULATIVE CEMENTITIOUS MATRICES AND METHODS  
HYBRID FLEXIBLE AND RIGID CERAMIC INSULATION  
METHOD FOR FORMING ISOLATED REGIONS IN A SEMICONDUCTOR  
PROCESS FOR MAKING MULTILEVEL INTERCONNECTIONS OF  
PROCESS FOR THE MANUFACTURE OF A SILICA FIBRE-BASED  
RIGIDIZED REFRACTORY FIBROUS CERAMIC INSULATION  
THERMAL INSULATION SYSTEM AND METHOD OF FORMING

## INSULATORS

BONDED WAFER PROCESSING WITH METAL SILICIDATION  
CERAMIC EDGE CONNECT PROCESS  
CERAMIC ELECTROSTATIC CHUCK WITH BUILT-IN HEATER  
CERAMIC HEAT INSULATION LAYER ON METAL STRUCTURAL  
CERAMIC PACKAGE MAIN BODY  
CERAMIC SUBSTRATE CIRCUIT SUBSTRATE  
CMOS DEVICE STRUCTURE WITH REDUCED RISK OF SALICIDE  
DIAMONDLIKE CARBON FOR USE IN VLSI AND ULSI  
DUAL-GLASS FIBERS AND PRODUCTS  
ELECTRICAL FEEDTHROUGHS FOR CERAMIC CIRCUIT BOARD  
ELECTRONIC DEVICE USING ZIRCONATE TITANATE AND BARIUM  
GAS DISCHARGE CLOSING SWITCH WITH UNITARY CERAMIC  
GROWTH CHARACTERIZATION OF GaN THIN FILMS ON SIC  
HIGH TENSILE NITRIDE LAYER  
HIGH-STRENGTH PORCELAIN AND METHOD THEREOF  
INTERPOLY DIELECTRIC STRUCTURE IN EEPROM DEVICE  
LOW CYCLE TIME CMOS PROCESS  
LOW TEMPERATURE CERAMIC CIRCUIT SUBSTRATE AND  
MAGNETIC TAPE HEAD WITH A HIGH SATURATION FLUX DENSITY  
METHOD FOR CONNECTING ELECTRONIC CIRCUITS IN A  
METHOD FOR FORMING ELEMENT ISOLATION INSULATING FILM  
METHOD FOR FORMING A WIRING CONDUCTOR IN SEMICONDUCTOR  
METHOD FOR ISOLATING SEMICONDUCTOR ELEMENTS  
METHOD FOR MANUFACTURING TUNNEL JUNCTION TYPE  
METHOD OF FABRICATING AN ISOLATION TRENCH FOR ANALOG  
METHOD OF FABRICATING A THIN-FILM TRANSISTOR  
METHOD OF MAKING A SPARK PLUG INSULATOR  
METHOD OF MANUFACTURING AN ELECTRODE FOR MEASURING pH  
METHOD OF MANUFACTURING LAMINATED PIEZOELECTRIC  
METHOD OF MANUFACTURING A SPARK PLUG INSULATOR  
METHOD OF PRODUCING THICK MULTILAYER SUBSTRATES  
METHOD OF RELIABLY MANUFACTURING A SEMICONDUCTOR  
METHOD OF SPUTTERING A SILICON NITRIDE FILM  
METHOD OF TREATING SILICON TO OBTAIN THIN, BURIED  
METHOD TO FORM A CAPACITOR HAVING MULTIPLE PILLARS FOR  
NGK INSULATORS STORY  
OIL-IMPREGNATED TRANSISTOR IN CRANK-SHAPE  
POST METAL MASK ROM WITH THIN GLASS DIELECTRIC LAYER  
PROCESS FOR MAKING JOSEPHSON JUNCTIONS  
PROCESS FOR PRODUCING CERAMIC HEATING ELEMENTS  
SEMICONDUCTOR CERAMIC PACKAGE WITH TERMINAL VIAS  
SEMICONDUCTOR CIRCUIT  
SEMICONDUCTOR DEVICE AND PROCESS FOR FABRICATING THE  
SEMICONDUCTOR DEVICE HAVING GROUP III NITRIDE COMPOUND  
SIC MOSFET  
SOLID SOLUTION BaLi<sub>1-x</sub>Cu<sub>x</sub>PO<sub>4</sub> (x LESS THAN OR EQUAL TO  
STAGGERED HORIZONTAL INSULATOR FOR USE WITH MULTILAYER  
SUPERCONDUCTOR/INSULATOR METAL HETEROSTRUCTURE  
TECHNIQUE FOR MEASURING THERMAL CONDUCTIVITY OF CARBON  
THERMISTOR  
TRENCHED CMOS TRANSISTOR FABRICATION HAVING THICK  
INTEGRATED CIRCUIT  
LOW COST MONOLITHIC GALLIUM ARSENIDE UPCONVERTER CHIP  
THIN FILM APPARATUS FOR WATER LEVEL PREDICTION OF  
METHOD OF FORMING A CIRCUIT MEMBRANE WITH A  
METHOD OF FORMING MULTIPLE GATE OXIDE THICKNESSES ON A  
METHOD OF MONITORING AND CONTROLLING A SILICON NITRIDE  
PROCESS FOR MANUFACTURING INTEGRATED CIRCUIT WITH  
THREE-DIMENSIONAL SEMICONDUCTOR CIRCUIT STRUCTURE WITH

## INTEGRATED CIRCUITS

GaAs MMICs FOR A CRYOGENICALLY COOLED, 80-110 GHz  
INTEGRATED CIRCUIT WITH DIAMOND INSULATOR  
MEMBRANE DIELECTRIC ISOLATION IC FABRICATION  
METHOD FOR AN MOS DEVICE MANUFACTURING  
METHOD OF FABRICATING A SEMICONDUCTOR INTEGRATED  
METHODS OF MANUFACTURE FOR ELECTRONIC COMPONENTS  
PLASMA ETCHING OF SEMICONDUCTORS  
PROCESS FOR FABRICATING INTEGRATING CIRCUITS

## INTERCALATION

ELECTROCHEMICAL INTERCALATION OF OXYGEN IN  
LAYERED VANADIUM OXIDE COMPOSITIONS  
LITHIUM COPPER OXIDE CATHODE FOR LITHIUM CELLS AND  
PROCESS FOR PRODUCING ADVANCED CERAMICS  
THERMAL CHARACTERISTICS OF LAYERED DOUBLE HYDROXIDE

## INTERFACE

Cu<sub>2</sub>S INTERFACE REACTION  
ROLE OF INTERFACIAL CHARGE IN THE GROWTH OF GaN ON

## INTERFACES

ALUMINUM NITRIDE-MOLYBDENUM CERAMIC MATRIX  
ANALYSIS OF REACTION AT Au/SiO<sub>2</sub> INTERFACE BY XPS-SIMS  
APPARATUS FOR INSERTING A CORE FIBRE INTO A PARTIALLY  
APPLICATION OF OPTICAL PROCESSING FOR GROWTH OF  
ATOMISTIC STRUCTURE OF SILICON NITRIDE/SILICATE GLASS  
BETA-Si<sub>3</sub>N<sub>4</sub> WHISKERS EMBEDDED IN OXYNITRIDE GLASSES:  
CERAMIC POROUS MATERIAL AND METHOD OF MAKING SAME  
CHARACTERISATION OF METAL/Al<sub>2</sub>O<sub>3</sub>-n INTERFACE THERMAL  
CHARACTERIZATION OF THICK FILM (La,Sr)<sub>2</sub>FeAlO<sub>6</sub> AND  
COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT  
CONDUCTIVE MODE MICROSCOPY OF INTERFACIAL STRUCTURES  
EFFECT OF INTERFACE DESIGN ON HIGH-TEMPERATURE FAILURE  
EFFECT OF MICROSTRUCTURAL FEATURES ON THE AGEING  
FABRICATION OF BRAZABLE IN AND DIAMOND TOOL INSERTS  
FIBRE/MATRIX REACTIONS IN PLASMA SPRAYED COMPOSITE  
FORMATION OF A SILICATE LAYER BETWEEN LEAD OXIDE AND A  
FRACTURE BEHAVIOUR OF SIC FIBRE-REINFORCED NITROGEN  
FTIR INVESTIGATION OF RF PLASMA DEPOSITED INDIUM-TIN  
IMPROVING ELECTRODE CONTACT IN A SMALL-DIAMETER  
INFLUENCE OF Cu<sub>2</sub>O AND CuAlO<sub>2</sub> INTERPHASES ON CRACK

76-05176A  
76-05177A  
76-05182A  
76-05934A  
76-01808P  
76-01377A  
76-05943A  
76-06299B  
76-05193A

76-07076C  
76-03995A

76-01665P  
76-02055P  
76-00775P  
76-01689P  
76-02471P  
76-05038P  
76-02392P  
76-07767P  
76-03144P  
76-02160P  
76-05307P  
76-06369P

76-00752P  
76-06556P  
76-00755P  
76-00153P  
76-08190P  
76-03118P  
76-07734P  
76-00824P  
76-00159P  
76-00769P  
76-03451P  
76-03451P

76-01799P  
76-00447P  
76-06505P  
76-00777P  
76-05496P  
76-03317P  
76-00789P  
76-03497P  
76-00780P  
76-05562P  
76-03233P  
76-04614P  
76-01123P  
76-02115P  
76-03327P  
76-02124P  
76-04614P  
76-01005P  
76-00785P  
76-04621P  
76-00855P  
76-00789P  
76-04622P  
76-07510P  
76-00719A  
76-01120P  
76-00789P  
76-03645P  
76-02157P  
76-00862P  
76-03344P  
76-03644P  
76-07846P  
76-07863P  
76-01648A  
76-06516P  
76-01138P  
76-01380P  
76-00874P  
76-06534P

76-05533P  
76-03950P  
76-05501P  
76-09061P  
76-06844P  
76-05504P  
76-05531P

76-03197C  
76-07748P  
76-03320P  
76-07758P  
76-03326P  
76-07992P  
76-06709P  
76-06722P

76-06300C  
76-09018P  
76-07485P  
76-01343P  
76-06343C

76-03167A  
76-03277A

76-06079A  
76-08644A  
76-07248P  
76-06548P  
76-04227A  
76-0541A  
76-08982P  
76-07540C  
76-06348P  
76-06926P  
76-08809C  
76-05047A  
76-08997A  
76-06548P  
76-07002A  
76-08901A  
76-05138A  
76-06426A  
76-06548P  
76-08517A



- INTERFACE CHARACTERISATION OF A BETA-SiC WHISKER-AI  
INTERFACE COATING FOR CERAMIC FIBRES  
INTERFACE STRUCTURE AND REACTION KINETICS BETWEEN SiC  
INTERFACE-CONTROLLED PERCOLATION IN FUNCTIONAL CERAMIC  
INTERFACES IN CONTINUOUS FILAMENT COMPOSITES  
INTERFACIAL REACTIONS BETWEEN SAPPHIRE AND  
INTERMEDIATE-TEMPERATURE ENVIRONMENTAL EFFECTS ON  
INTERPHASE FORMATION BETWEEN YTTRIA-STABILISED  
INVESTIGATION OF THE STABILITY OF THE HEXAGONAL-CUBIC  
ION BEAM MIXING, DIFFUSION, AND PHASE STABILITY IN  
LADLE PORT ASSEMBLY  
LOW-TEMPERATURE INTERFACE MODIFICATION BY HYDROCARBON  
LUBRICANTS FOR CERAMICS AT ELEVATED TEMPERATURES  
MAGNESIA COATING AND PROTECTORS FOR PRODUCING  
MECHANICAL AND HISTOLOGICAL ASSESSMENT OF UNCOATED AND  
METHOD FOR REDUCING OXIDE THINNING DURING THE  
METHOD OF MANUFACTURING PET SEMICONDUCTOR DEVICES WITH  
MOVCO-GROWN WIDER BAND GAP CAPPIING LAYERS IN  
MULTISTEP CHEMICAL VAPOUR DEPOSITION METHOD FOR  
OBSERVATION OF THREE-DIMENSIONAL INTERFACIAL  
OFFSETS AND POLARISATION AT STRAINED AlN/GaN POLAR  
OPTIMISATION OF CHEMICAL REACTIONS BETWEEN  
OXIDATION OF THE CARBON INTERFACE IN  
PHASE DISTRIBUTION AND INTERFACE CHEMISTRY OF THE  
PLANE VIEW OF ENAMEL ADHERENCE LAYER ON STEEL  
PREFERRED ORIENTATIONS IN THE Ge<sub>3</sub>SiO<sub>2</sub> INTERFACE  
PROSTHETIC JOINT WITH DIAMOND COATED INTERFACES  
PROTECTIVE COATINGS OF MONOPHASE DIAMOND DEPOSITED  
P<sub>2</sub>O<sub>5</sub> CHMIC CONTACTS TO n-GaN  
REACTION AND DIFFUSION PATH OF AN INTERFACE REACTION  
REBIC INVESTIGATIONS OF ACTIVE INTERFACES IN ZINC  
SISAL FIBRE REINFORCED SOIL BLOCK MASONRY  
STABILITY OF LANTHANUM CALCIUM CHROMITE-LANTHANUM  
STUDY ON THE DIFFERENT REACTIVITY OF HF-PRE-TREATED AND  
TEM STUDY OF THE INTERFACES AND MATRICES OF SiC-COATED  
THEORETICAL MODEL FOR VISCOELASTIC SLIDING OF  
THEORY OF INTERFACES IN WIDE-GAP NITRIDES  
THEORY OF POINT DEFECTS AND INTERFACES  
THERMALLY ENHANCED BALL GRID ARRAY PACKAGE  
ULTRASONIC CHARACTERISATION OF SURFACES AND  
USE OF WHISKERS AND SIMILAR REINFORCEMENTS IN METAL  
VIA STRUCTURE OF A MULTILAYER INTERCONNECTION CERAMIC  
WET CLEAN FOR A SURFACE HAVING AN EXPOSED  
WETTABILITY AND REACTIVITY OF SILICON CARBIDE BY  
INTERFACIAL PROPERTIES  
CALCIA-ALUMINA FIBRE-REINFORCED Al<sub>2</sub>O<sub>3</sub> ALLOY  
COMPOSITE ZrO<sub>2</sub> FIBRE-BASED MATERIALS WITH DOUBLE  
CRACK PROPAGATION AND INTERFACIAL PROPERTY IN  
DETAILING AND ANALYSIS OF DEBONDING AND FRICTIONAL SLIDING  
DETERMINATION OF INTERFACIAL PROPERTIES AS A FUNCTION  
DIRECTIONAL SOLIDIFICATION AND INTERFACE STRUCTURE OF  
EFFECT OF INTERFACIAL CHEMICAL REACTION ON THE  
EFFECT OF INTERFACIAL PROPERTIES ON THE CRACK  
EFFECT OF INTERFACIAL REACTION ON THE YOUNG'S MODULUS  
EFFECT OF INTERPHASE CARBON THICKNESS ON ENVIRONMENTAL  
EFFECTS OF INTERFACIAL ROUGHNESS ON FIBRE PUSH-OUT  
ELECTRICALLY ACTIVE GRAIN BOUNDARIES: DEFECTS AND  
FIBRE-MATRIX INTERFACE PROPERTIES OF SINGLE-FIBRE  
FRACTURE CHEMISTRY OF DELTA-AZrO<sub>3</sub> (SAFILL) FIBRES IN  
FRACTURE ENERGY OF GLASS-ALUMINA INTERFACES VIA THE  
INFLUENCE OF HIP PROCESSING ON THE INTERFACE OF  
INFLUENCE OF MICROSTRUCTURE OF TRANSITION LAYER ON  
INFLUENCE OF THE NITROGEN IMPLANTATION ENERGY ON THE  
INTERFACIAL CHARACTERISATION OF SiC/SiC COMPOSITES  
INTERFACIAL PROPERTIES AND STRENGTH OF CERMETS  
INTERFACIAL REACTION OF BaTiO<sub>3</sub> CERAMICS WITH PbO-B2O<sub>3</sub>  
INTERFACIAL REACTIONS IN GLASS-CERAMIC-TO-METAL SEALS  
INTERFACIAL STRUCTURE OF Si3N4 WHISKER REINFORCED 7064  
INVESTIGATION OF SiC/AIN MICROSTRUCTURE AND MECHANICAL  
JOINING OF ZIRCONIA-TO-ZIRCONIA USING  
MECHANICAL PROPERTIES AND FRACTURE BEHAVIOUR OF  
MICRO-MECHANICAL PROPERTIES OF COMMERCIAL TIN COATINGS  
MICROSTRUCTURAL OBSERVATION OF THE ZrC/ZrO<sub>2</sub> INTERFACE  
MORPHOLOGY AND STRUCTURE OF INTERFACES IN SINTERED  
NEW ADHESION PROCESS OF GLASS TO METAL USING THE REDOX  
NICKEL-ALUMINA BONDS: MECHANICAL PROPERTIES RELATED TO  
NONDESTRUCTIVE INSPECTION OF THE INTERFACE BY X-RAY  
ON THE ROLE OF INTERFACE STRUCTURE AND COMPOSITION IN  
OPTIMISATION OF A DUCTILE E-PARTICLE-TOUGHENED CERAMIC  
PREFERRED ORIENTATIONS IN THE Ge<sub>3</sub>SiO<sub>2</sub> INTERFACE  
PREPARATION AND MECHANICAL PROPERTIES OF LONG ALUMINA  
PROCESSING EFFECTS ON INTERFACIAL SLIDING OF DEBONDED  
SIGNIFICANCE OF SHRINKAGE-INDUCED CLAMPING PRESSURE IN  
SURFACE AND INTERFACE PROPERTIES OF OXIDES EXHIBITING  
TEM AND EDX INVESTIGATIONS OF EXPERIMENTAL SiC-YMAS  
TRANSMISSION ELECTRON MICROSCOPY STUDY OF SiC/Mg ALLOY  
INTERFACIAL REACTIONS  
CHARACTERISATION OF THE WHISKER-MATRIX INTERFACIAL  
INTERFACIAL STRUCTURE  
CHARACTERISATION OF THE WHISKER-MATRIX INTERFACIAL  
INTERFEROMETRY  
CRACK-TIP TRANSFORMATION ZONES OF CeO<sub>2</sub>-STABILISED  
EVALUATION OF MECHANICAL PROPERTIES OF MASONRY  
HIGH TEMPERATURE SAPPHIRE OPTICAL FIBRE  
INTERFEROMETRIC TECHNIQUE TO EVALUATE STRAIN  
INTERNAL COMBUSTION  
METHOD OF MAKING A SPARK PLUG INSULATOR  
INTERNAL COMBUSTION ENGINE  
THERMALLY STABLE RHODIUM/ALUMINA CATALYSTS  
INTERNAL COMBUSTION ENGINES  
BORON NITRIDE EXHAUST SEAL  
INVESTMENT CASTING  
INVESTMENT CASTING  
IODIDES  
METHOD FOR FORMING THIN COMPOSITE SOLID ELECTROLYTE  
ION BEAM MIXING  
ION BEAM MIXING, DIFFUSION, AND PHASE STABILITY IN  
TITANIUM IMPLANTATION INTO BORON NITRIDE FILMS AND ION  
TITANIUM IMPLANTATION INTO BORON NITRIDE FILMS AND  
ION BEAMS  
EFFECT OF BEAM VOLTAGE ON THE PROPERTIES OF ALUMINUM  
ION BEAM AMORPHISATION OF MUSCOVITE MICA  
ION BEAM DEPOSITION OF DIAMOND-LIKE CARBON FILMS  
ION BOMBARDMENT  
INFLUENCE OF Ar ION ETCHING ON Tc OF LIQUID-QUENCHED  
ION BEAM ASSISTED CRYSTALLISATION BEHAVIOUR OF SOL-GEL  
SPUTTER SYNTHESIS OF FERROELECTRIC FILMS AND  
ION EXCHANGE  
ALTERNATIVE ROUTE TO POLYOXOMETALLATE-EXCHANGED  
CONVERSION OF FLY ASH INTO ZEOLITES FOR ION-EXCHANGE  
DISSOLUTION OF SPARINGLY SOLUBLE INORGANIC COMPOUND IN  
GLAZE PROBLEMS FROM A GLASS SCIENCE PERSPECTIVE  
ION-EXCHANGE BETWEEN HYDROLYSATED ZEOLITES AND  
IONIC EXCHANGES, FIBRE REACTIONS OF SILICATED
- 76-05059A  
76-04574P  
76-04262A  
76-05033A  
76-00106A  
76-08175A  
76-09197A  
76-05404C  
76-01170A  
76-04131A  
76-02964P  
76-03239A  
76-01898P  
76-00168P  
76-04138A  
76-07785P  
76-00851P  
76-03244A  
76-02135P  
76-02508A  
76-07654C  
76-07018A  
76-02022A  
76-04281A  
76-07019A  
76-01848A  
76-08756P  
76-05071A  
76-07675C  
76-06161A  
76-08841C  
76-02774C  
76-04761A  
76-02518A  
76-02520A  
76-09273A  
76-07715C  
76-07716P  
76-02540P  
76-03807A  
76-02524A  
76-04695P  
76-02913P  
76-07035C  
76-06991A  
76-06389A  
76-02254A  
76-04761A  
76-04762C  
76-01594A  
76-06830A  
76-06831A  
76-02497A  
76-06815C  
76-08274A  
76-09150C  
76-08626A  
76-07003A  
76-08499A  
76-07008A  
76-00104C  
76-00105C  
76-04791C  
76-07010C  
76-07927A  
76-00107C  
76-07011A  
76-08241C  
76-01233A  
76-09246A  
76-06854A  
76-08696A  
76-06238A  
76-04380A  
76-01257A  
76-03857C  
76-04816C  
76-04715A  
76-01848A  
76-06860A  
76-07025A  
76-05021A  
76-03105C  
76-06809C  
76-05080A  
76-05044A  
76-05044A  
76-05044A  
76-08464A  
76-02723C  
76-03964A  
76-02746C  
76-02124P  
76-04678P  
76-04305P  
76-08176A  
76-06637P  
76-04131A  
76-04519C  
76-02027A  
76-03051A  
76-03976A  
76-02089P  
76-01066A  
76-03395A  
76-01294A  
76-06103A  
76-08353A  
76-03940A  
76-02991C  
76-01493A  
76-04734A
- MICROWAVE-HYDROTHERMAL PROCESSING OF LAYERED ANION  
PREPARATION OF CORDIERITE GLASS-CERAMICS FROM  
RAPID DETERMINATION OF THE CATION EXCHANGE PERFORMANCE  
ROUTINE TECHNIQUES TO CHARACTERISE THE EFFICIENCY OF  
X-RAY DIFFRACTOMETRY INVESTIGATION FOR ION-EXCHANGE  
ION IMPLANTATION  
CARBON NITRIDE FILMS PREPARED BY ION IMPLANTATION  
CCD SOLID STATE IMAGE DEVICE WHICH HAS A SEMICONDUCTOR  
DEVICE PROCESSING OF WIDE BAND GAP SEMICONDUCTORS--  
DIAMOND GROWTH ON ION IMPLANTED SURFACES  
DOPING OF 3C-SiC BY IMPLANTATION OF NITR-GEN AT HIGH  
DUAL POLY-GATE DEEP SUBMICRON CMOS WITH BURIED CONTACT  
EFFECT OF Cu-IMPLANTED JOINING INTERFACE ON OXYGEN  
EFFECTS OF Ne-IMPLANTATION AND RAPID THERMAL  
ELECTROLUMINESCENT MATERIAL, SOLID-STATE  
EPR STUDY OF DEFECTS INDUCED IN 6H-SiC BY ION  
FABRICATION OF OXIDE SUPERCONDUCTOR DEVICES AND  
GRADED IMPLANTATION OF Cr- AND B- ION IN CARBON  
GROWING AND RELEASING DIAMONDS  
HIGH PERFORMANCE FIELD EFFECT TRANSISTOR WITH LAI  
HIGHLY RESISTIVE SPUTTERED ZnO FILMS IMPLANTED WITH  
HOT IMPLANTATION OF NITROGEN DONORS INTO p-TYPE  
HYDROGEN-IMPLANTATION-INDUCED ACTIVATION IN  
IMPROVED GAS BEARING SURFACE USING OXYGEN IMPLANTED  
ION BEAM AMORPHISATION OF MUSCOVITE MICA  
ION IMPLANTATION AND ANNEALING STUDIES IN n-IV  
ION IMPLANTATION BURIED GATE INSULATOR FIELD EFFECT  
ION IMPLANTATION DOPING OF OMCD GROWN GaN  
ION IMPLANTATION TO IMPROVE MECHANICAL AND ELECTRICAL  
LARGE ENHANCEMENT OF ELECTRICAL CONDUCTIVITY IN  
MECHANICAL CHARACTERISATION BY NANODENTATION OF  
METHOD FOR FABRICATING A POLYSILICON TRANSISTOR HAVING  
METHOD FOR FORMING A CONTACT WITH ACTIVATION AND  
METHOD FOR MAKING REFRACTORY METAL SILICIDE ELECTRODE  
METHOD FOR MANUFACTURING A FIELD EFFECT TRANSISTOR OF HIGH  
METHOD FOR PRODUCING CARBON NITRIDE FILMS  
METHOD OF ELIMINATING BURIED CONTACT TRENCH IN SRAM  
METHOD OF FABRICATING A SELF-ALIGNED HIGH-SPEED MOSFET  
METHOD OF FORMING GATE OXIDE FOR FIELD EFFECT  
METHOD OF FORMING A SEMICONDUCTOR DEVICE HAVING CMOS  
METHOD OF MAKING SELF-ALIGNED HALO PROCESS FOR  
METHOD OF MANUFACTURING SELF-ALIGNED BIT-LINE DURING  
METHOD OF MANUFACTURING THIN FILM TRANSISTOR HAVING A  
METHOD OF TREATING SILICON TO OBTAIN THIN, BURIED  
METHODS OF FABRICATING VOLTAGE BREAKDOWN RESISTANT  
MODIFICATION OF METAL SURFACES  
MODIFIED BP-TEOS TUNGSTEN-PLUG CONTACT PROCESS  
MOSFET HAVING IMPROVED DRIVING PERFORMANCE  
PLASMA ETCH PROCESS AND TIGI SUBSTRATE LAYERS MADE USING  
PULSED WET ETCH STRUCTURE FOR SUBSTRATE PROCESS WITH  
PROCESS FOR FABRICATING CMOS DEVICE  
PROCESS FOR SELF-ALIGNED TWIN WELLS WITHOUT N-WELL AND  
PROCESSING METHOD FOR FORMING DISLOCATION-FREE SOI AND  
PROPERTIES OF SILICA GLASS IMPLANTED WITH PHOSPHORUS  
RAPID THERMAL ANNEALING OF ION-IMPLANTED 6H-SiC BY  
RESIST/ETCHBACK PLANARIZING TECHNIQUES FOR FABRICATING  
RIM-EFFECT IN HIGH BURNUP UO<sub>2</sub> NUCLEAR FUEL  
SEMICONDUCTOR DEVICE HAVING AN SOI STRUCTURE  
SEMICONDUCTOR DEVICE HAVING METAL SILICIDE FILM ON  
SEMICONDUCTOR PROCESSING METHOD OF FORMING A STATIC  
SILICON CARBIDE SEMICONDUCTOR DEVICES HAVING BURIED  
STRAIN PROFILES IN He-IMPLANTED WAVEGUIDE LAYERS OF  
STUDY OF B<sub>2</sub> AND Mg IMPLANTATION IN In<sub>0.5</sub>(Ga<sub>1-x</sub>Al<sub>x</sub>)<sub>0.5</sub>P  
SUPER SELF-ALIGNING PROCESS FOR FABRICATING SUBMICRON  
SURFACE ENGINEERED CERAMICS WITH IMPROVED LAI  
TITANIUM IMPLANTATION INTO BORON NITRIDE FILMS AND ION  
TITANIUM IMPLANTATION INTO BORON NITRIDE FILMS AND  
TRANSPARENT, CONDUCTING, AMORPHOUS OXIDES: EFFECT OF  
WAVEGUIDE FORMATION OF KTiOPO<sub>4</sub> BY MULTIERGY MeV He<sup>+</sup>  
X-RAY ABSORPTION FINE STRUCTURE OF ION-IMPLANTED  
ION MIGRATION  
MIGRATION OF Cu IONS IN Cu MONTMORILLONITE HEATED WITH  
IONIC CONDUCTIVITY  
ALKALI METAL ION MIGRATION CONTROL  
CHARACTERISATION, CONDUCTIVITY AND MECHANICAL  
COMPUTATION OF IONIC CONDUCTIVITY AT NASICON SOLID  
COMPUTATION OF IONIC CONDUCTIVITY IN NASICON SOLID  
CONDUCTIVITY AND PHASE STABILITY OF BISMUTH OXIDE  
EFFECTS OF MODIFIERS ON THE ELECTRICAL RESISTIVITY OF  
ELECTRICAL CONDUCTIVITY IN ALPHA-AZrO<sub>3</sub>-Ca-BETA-AZrO<sub>3</sub>  
ELECTRONIC CONDUCTIVITY AND IONIC DOMAIN OF ZrP;  
ENHANCEMENT OF THE IONIC CONDUCTIVITY IN CERIA  
ESTIMATION OF IONIC MOBILITY OF SODIUM ION CONDUCTOR  
HIGH-TEMPERATURE IONIC CONDUCTION IN MULTICOMPONENT  
INFLUENCE OF GRAIN SIZE ON THE OXYGEN ION CONDUCTIVITY  
IONIC AND ELECTRONIC TRANSPORT IN Ba<sub>0.8</sub>Bi<sub>0.2</sub>PO<sub>4</sub> SOLID  
IONIC CONDUCTION IN FLUORINOOGALLATE GLASSES:  
IONIC CONDUCTIVITY AND RAMAN SPECTROSCOPIC  
IONIC CONDUCTIVITY AND SINTERABILITY OF NASICON-TYPE  
IONIC CONDUCTIVITY OF SrO-Ta<sub>2</sub>O<sub>5</sub> AND SrO-La<sub>2</sub>O<sub>3</sub>-Ta<sub>2</sub>O<sub>5</sub>  
LITHIUM ION CONDUCTIVITY IN Li<sub>3</sub>Al<sub>2</sub>(2/3-x)TiO<sub>3</sub> SYSTEM  
LITHIUM ION CONDUCTIVITY OF A-SITE DEFICIENT  
MEASUREMENT OF THE IONIC CONDUCTIVITY AS A FUNCTION OF  
OXIDE IONIC CONDUCTIVITY OF DOPED LANTHANUM CHROMITES  
OXYGEN ION CONDUCTING DENSE CERAMIC  
PHYSICO-CHEMICAL PROPERTIES OF (Bi<sub>1-x</sub>Pb<sub>x</sub>)<sub>1-y</sub>Y<sub>0.5</sub>O<sub>1.5</sub> (x =  
PREPARATION AND CHARACTERISATION OF AMORPHOUS LiNiO<sub>2</sub>  
PREPARATION, CHARACTERISATION, AND PROPERTIES OF NEW  
PROPERTIES OF ZrO<sub>2</sub>-Ca-BETA-AZrO<sub>3</sub> COMPOSITES  
STRUCTURAL METAL CATION-CONDUCTING CERAMICS  
SINTERING BEHAVIOUR AND IONIC CONDUCTIVITY OF  
STRUCTURAL RELAXATION IN A MOLTEN SALT PROBED BY  
SYNTHESIS, CRYSTALLISATION BEHAVIOURS AND CONDUCTIVITY  
TRANSPORT PROPERTIES OF TITANIUM-DOPED ALPHA-ALUMINA:  
IONIC CONDUCTORS  
CATHODIC BEHAVIOUR OF NON-STOICHIOMETRIC  
CERAMIC GELS: POROUS NETWORK STRUCTURE AND  
CHARACTERISATION, CONDUCTIVITY AND MECHANICAL  
CHARACTERISATION STUDIES OF QUATERNARY SUPERIONIC  
COMPARISON OF ELECTROCHEMICAL CELLS BASED ON SOLID  
CONCENTRATION AND TRANSPORT OF PROTONS AND OXYGEN  
CONDUCTION PROPERTIES OF OXIDE ION CONDUCTOR  
COULOMETRIC TITRATION OF CERIA SOLID SOLUTIONS  
CRYSTAL STRUCTURE, PHASE RELATIONS AND OXYGEN  
ELECTRICAL CONDUCTIVITY OF SOME PHOSPHATE GLASSES  
EVIDENCE OF COMPLEX IONIC MOTION IN Li<sub>2</sub>S-(1-x)B<sub>2</sub>S<sub>3</sub>  
INFLUENCE OF GRAIN SIZE ON THE OXYGEN ION CONDUCTIVITY  
LARGE ENHANCEMENT OF ELECTRICAL CONDUCTIVITY IN  
LOW-TEMPERATURE SYNTHESIS AND CHARACTERISATION OF  
MICROSTRUCTURAL EFFECTS ON CONDUCTION PROPERTIES OF  
NATURE OF ELECTRONIC DEFECTS IN YTTRIA-STABILISED  
OXYGEN ION CONDUCTION IN ACCORDION-STRUCTURED SrO<sub>2</sub> AND CaZrO<sub>3</sub>  
OXYGEN ION CONDUCTIVITY IN BROWNILLERITE-STRUCTURED
- 76-06463A  
76-06495C  
76-03171C  
76-03175A  
76-03176C  
76-01662A  
76-02203A  
76-04306P  
76-03171C  
76-03172P  
76-04430A  
76-07738P  
76-00898A  
76-03529A  
76-08001P  
76-04697A  
76-01100P  
76-03711C  
76-04568P  
76-05546P  
76-07600A  
76-04453A  
76-03212A  
76-07792P  
76-03702A  
76-07619C  
76-05551P  
76-03233A  
76-05864A  
76-05801C  
76-08529C  
76-07761P  
76-06634P  
76-07771P  
76-07772P  
76-09047P  
76-07787P  
76-05577P  
76-07795P  
76-07738P  
76-04610P  
76-03138P  
76-07816P  
76-04622P  
76-05594P  
76-07045P  
76-02133P  
76-05597P  
76-08708P  
76-03340P  
76-07829P  
76-07835P  
76-07837P  
76-03760A  
76-04488A  
76-05606P  
76-03663C  
76-05613P  
76-07848P  
76-07849P  
76-00868P  
76-00979A  
76-03287C  
76-07867P  
76-06867A  
76-04519C  
76-02027A  
76-04767A  
76-03799A  
76-03303A  
76-01504A  
76-02634P  
76-07408A  
76-07414A  
76-04695A  
76-06075A  
76-03041C  
76-07122A  
76-07430C  
76-03041C  
76-05387C  
76-00696A  
76-07437A  
76-03058C  
76-07442C  
76-07135C  
76-07136A  
76-03072A  
76-05666A  
76-07933A  
76-03073C  
76-09158C  
76-05429C  
76-03141P  
76-05703P  
76-07072A  
76-03420A  
76-06493C  
76-09184C  
76-03145P  
76-07073A  
76-05148A  
76-03108A  
76-06639A  
76-03034C  
76-04072C  
76-07408A  
76-07117A  
76-07412C  
76-03058A  
76-00676A  
76-03042C  
76-03043C  
76-07124C  
76-03058C  
76-03058C  
76-02607A  
76-03075A  
76-02612A  
76-03081C  
76-03084C  
76-04701C

PHYSICO-CHEMICAL PROPERTIES OF  $(\text{Bi}_{1-x}\text{Pb}_x)_{1-y}\text{V}_{0.5}\text{O}_{1.5}$  ( $x =$  SINGLE AND MULTIPLE GRAIN BOUNDARY DIFFUSION THROUGH SURFACE AND INTERFACE PROPERTIES OF OXIDES EXHIBITING SURVEY OF MATERIALS SELECTION FOR CERAMIC FUEL CELLS.

## IONIZATION

ELECTRON IMPACT IONIZATION IN p-TYPE DEGENERATE IMPACT IONIZATION RELATED PHENOMENA IN Si MOSFETs MONTE CARLO SIMULATION OF IMPACT IONIZATION AND

## IONS

CHEMICALLY TAILORED CORROSION-RESISTANT HIGH-TC CW LASER OSCILLATION ON BOTH THE  $\text{sup}4\text{F}_{6+3/2} - \text{sup}4\text{I}_{11/2}$  DIELECTRIC CERAMICS AND ELECTRONIC PARTS USING THE FIBRE OPTIC SENSING OF CYANIDES IN SOLUTIONS HYDROGEN PASSIVATION IN n- AND p-TYPE 6H-SiC LITHIUM COPPER OXIDE CATHODE FOR LITHIUM CELLS AND LOW-ALUMINUM BORON BETA ZEOLITE Pr  $\text{sup}3+$ -DOPED Ga-Si GLASSES AS CANDIDATE MATERIALS SOLID-STATE BATTERY USING A HYDROGENATED SILICON TITANIUM-BASED BONE-BONDING COMPOSITES HAVING INVERTED

## IRELAND

IRISH TABLEWARE CONTINUES TO EXPAND IN WORLD MARKETS

## IRON

BISMUTH-SUBSTITUTED RARE EARTH IRON GARNET SINGLE CERMIC DIE FOR CUTTING AND SHAPING LEAD FRAMES AND ELECTROCHEMICAL INVESTIGATION OF THE CORROSION GLASS PRODUCTION METHOD USING ILMENITE ION BEAM ANALYSIS OF FLAT GLASS SURFACE COMPOSITION LEVITATION SYSTEM USING PERMANENT MAGNETS FOR USE WITH LOW-FRICTION CERAMICS LOW-LOSS, HIGH-SPEED, HIGH-TC SUPERCONDUCTING BEARINGS LOW-LOSS, HIGH-SPEED, HIGH-TC SUPERCONDUCTING BEARINGS MAGNETIC CARRIER FOR ELECTROPHOTOGRAPHY MAGNETIC RECORDING MEDIUM AND ITS FABRICATION METHOD MATRIX FOR A HARD COMPOSITE METAL MATRIX COMPOSITE OF AN IRON ALUMINIDE AND METHOD AND APPARATUS FOR REDUCING THE INTENSITY OF METHOD FOR THE PRODUCTION OF IRON DIBORIDE PHOTOLUMINESCENCE OF Fe COMPLEXES IN GaN PROCESS FOR PRODUCTION OF A MAGNETIC HEAD

## IRON CARBONITRIDE

OXIDATION BEHAVIOUR AND MAGNETIC PROPERTIES OF IRON

## IRON NITRIDE

MAGNETIC RECORDING MEDIUM CONTAINING MAGNETIC POWDER

OXIDATION BEHAVIOUR AND MAGNETIC PROPERTIES OF IRON

## IRON OXIDE

ACICULAR MAGNETIC IRON OXIDE PARTICLES AND PROCESS FOR ALPHA-ALUMINA-BASED ABRASIVE GRAIN CONTAINING SILICA ARTICLE COMPRISING EXCHANGE-COUPLED MAGNETIC MATERIALS BRONZE GLASS COMPOSITION CATALYSTS CERAMIC COMPOSITION FOR ABSORBING ELECTROMAGNETIC WAVE CLEAN COLOUR SHADE, YELLOW-TINGED RED IRON OXIDE COMPARISON OF THE PRODUCTION PARAMETERS OF COBALT COMPOSITION FOR COLOURED GLASS INTENDED FOR THE CORDIERITE HONEYCOMB CERAMICS AND METHOD PRODUCING THE CRYSTAL GROWTH OF ALPHA-Fe<sub>2</sub>O<sub>3</sub> IN CHLORINE ATMOSPHERE DIRECTIONAL SOLIDIFICATION AND INTERFACE STRUCTURE OF FLAME PYROLYSIS - A PREPARATION ROUTE FOR ULTRAFINE FORMATION OF IRON OXIDES BY THE OXIDATION OF IRON IN HYDROTHERMAL SYNTHESIS OF IRON AND NICKEL OXIDES WITH INFLUENCE OF SMCETTES ON MAGNETITE PELLET STRENGTHS IONIC AND ELECTRONIC SENSITIVITY OF Mg- AND Nb-DOPED KINETIC MODELLING OF CEMENT RAW MIX CONTAINING IRON MAGNETIC HEAD HAVING CHROMIUM NITRIDE PROTECTIVE FILM MATERIAL FOR MAGNETOOPTICAL ELEMENT AND FARADAY METHOD FOR THE PRODUCTION OF IRON CARBIDE METHOD OF MAKING ALPHA-ALUMINA-BASED ABRASIVE GRAIN METHOD OF REPROCESSING ZINC- AND IRON OXIDE-CONTAINING MICROSTRUCTURAL PROPERTIES OF MICROPOROUS MINERAL FIBRES AND THEIR COMPOSITION NEUTRAL LOW TRANSMITTANCE GLASS NON-MAGNETIC SUBSTRATE MATERIAL FOR USE IN FLYING-TYPE NOVEL TECHNIQUE TO PREPARE ULTRAFINE Fe<sub>2</sub>O<sub>3</sub> VIA PLASMA-CHEMICAL SYNTHESIS OF ULTRADISPersed IRON PREPARATION AND MODERATE SPECTROSCOPIC PREPARATION OF IRON OXIDE THIN FILMS BY MOCVD PROCESS FOR THE CHEMICAL CLEANING OF METAL COMPONENTS PRODUCTION OF MAGNETIC OXIDE POWDER REACTIVE COATING OF MAGNETITE BY A PbO-B<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> GLASS RESTRUCTURED IRON OXIDE FOR USE IN IRON OXIDE SINTERED CERAMIC FOR HIGH-STABILITY THERMISTORS AND THERMALLY STABLE IRON OXIDE PIGMENTS, A PROCESS FOR TRANSPARENT IRON OXIDE

## IRON OXIDES

METHOD OF TREATING STEEL MILL WASTE

REDUCTION OF RESIDUAL CHLORIDE IN IRON OXIDES

## IRON OXYHYDROXIDE

PREPARATION OF DELTA-FeOOH BY COPRECIPITATION METHOD

## IRON SILICIDE

EFFECTS OF MICROSTRUCTURE ON THERMOELECTRIC PROPERTIES

## IRON TITANATE

HIGH-TEMPERATURE ELECTRICAL CONDUCTIVITY OF FeTiO<sub>3</sub> AND

RESIDUAL STRESS IN CERAMICS WITH LARGE THERMAL

## IRONMAKING

APPLICATION AND DEVELOPMENT OF UNSHAPED REFRACTORIES APPLICATION OF SELF-FLOW TYPE CASTABLE REFRACTORIES IN BEHAVIOUR OF FERRO-SiO<sub>2</sub> IN TAPHOLE MUD CHINA STEEL AND REFRACTORIES INDUSTRIES COMBATING A CHANGING BLAST FURNACE ENVIRONMENT BY DEVELOPMENT OF HIGH DENSITY MUD DEVELOPMENT OF MONOLITHIC REFRACTORIES FOR BF TROUGH EFFECT OF SPINEL ADDITION TO CASTABLES FOR BLAST EXPERIENCE WITH CASTABLE LININGS FOR COAL-FIRED EXTENDING THE REFRACTORY LIFE FOR A KR IMPELLER FORSTERITE-CONTAINING PARTS FOR AIR HEATERS OF BLAST IMPROVEMENT OF RESIN BONDED PLASTIC MATERIAL FOR BLAST MULTITE-CORUNDUM REFRACTORIES WITH SILICON CARBIDE FOR NEW MATERIAL WITH A CRISTOBALITE COMPOSITION DRAINING MIXTURE FOR CUPOLA LININGS RELATIONSHIP BETWEEN STRENGTH AND LIFE ON TAPHOLE MIX TECHNICAL ANALYSIS OF REFRACTORY PRODUCTS BEHAVIOUR IN ULTRADENSE ARTICLES FOR THE COKE AND BY-PRODUCT

## IRRADIATION

COMPOSITION FOR FORMING METAL OXIDE THIN-FILM PATTERN EFFECT OF GAMMA IRRADIATION ON STRUCTURE AND EFFECTS OF X-RAY AND gamma-RAY IRRADIATION ON GaN ELECTRIC AND DIELECTRIC PROPERTIES OF SOME IRRADIATED EPR STUDY OF DEFECT FORMATION AND GAMMA-IRRADIATION GLASS COMPOSITION DETERMINATION METHOD AND APPARATUS ION IRRADIATION OF PRECERAMIC POLYMER THIN FILMS JOSEPHSON JUNCTION IN A WIRING PATTERN OF LOCAL STRUCTURE, THERMAL STABILITY AND OPTICAL METHOD FOR MANUFACTURING A MEDICAL ELECTRODE METHOD FOR THE FORMATION OF A SILICA-BASED COATING

76-00727A  
76-04703C  
76-03105P  
76-03106C

76-03187A  
76-03217C  
76-03248A

76-03630P  
76-07118C  
76-05481P  
76-06419C  
76-03211A  
76-07485P  
76-06621P  
76-07152C  
76-00795P  
76-06785P

76-09321A

76-01033P  
76-04206P  
76-05382C  
76-06195P  
76-07073A  
76-03493P  
76-08865P  
76-01106P  
76-05783P  
76-08016P  
76-08017P  
76-04580P  
76-05091P  
76-03498P  
76-08056P  
76-07672C  
76-08023P

76-09195A

76-05739P

76-09195A

76-08013P

76-04955P

76-08014P

76-00230P

76-08977P

76-08980P

76-08984P

76-04419C

76-02365P

76-02068P

76-04085A

76-01594A

76-04958A

76-01606A

76-06128C

76-03970A

76-03071C

76-05004A

76-05736P

76-01043P

76-09056P

76-06933P

76-09071P

76-07447C

76-08867P

76-07185P

76-03460P

76-08547A

76-01514A

76-01636P

76-05856A

76-02539P

76-05747P

76-01029A

76-09124P

76-07524P

76-09136P

76-04056A

76-04623P

76-04662P

76-08007A

76-04707A

76-03391A

76-07968A

76-00380C

76-00386C

76-02811A

76-00400C

76-02833A

76-07297A

76-02858A

76-00440C

76-07326A

76-00443A

76-02881A

76-00487A

76-06035A

76-05256A

76-02935A

76-00536C

76-06092A

76-06577P

76-07573C

76-07123C

76-02553A

76-08240P

76-01265A

76-01105P

76-09155C

76-04590P

76-06658P

METHOD OF INCREASING INDEX OF REFRACTION OF SILICA NEUTRON RADIATION EFFECTS ON PLZT AND PSN CERAMICS POLYMERIC METAL OXIDE MATERIALS AND THEIR FORMATION PREPARATION OF NANOCRYSTALLINE MANGANESE OXIDE Mn<sub>2</sub>O<sub>3</sub> RADIATION EFFECTS ON LEAD SILICATE GLASS SURFACES SCANNING PROBE MICROSCOPY AND THERMO-MECHANICAL SOL-GEL GAMMA-RADIATION SYNTHESIS OF TITANIA-SILVER VARIOUS STATES OF URANIUM AND GAMMA IRRADIATION

## ISOSTATIC

INFLUENCE OF VISCOUS DEFORMATION AT THE CONTACT POINT

## ISOSTATIC PRESSING

APPLICATION OF THE PRESSURE CASTING AND ISOSTATIC COLD ISOSTATIC PRESSING AS A METHOD OF PRE-FORMING OLD ISOSTATIC PRESSING OF ADVANCED CERAMICS COLD ISOSTATIC PRESSING OF COMPOSITE POWDERS. PT.1. CONSOLIDATION OF TiB<sub>2</sub> POWDERS PRODUCED BY PLASMA CORE ECCENTRICITY ERROR OF OPTICAL FIBRE FABRICATED BY DEVELOPMENT OF DRY PRESSING IN THE CERAMICS INDUSTRY EFFECT OF CHARACTERISTICS OF COMPRESSIVE DEFORMATION FABRICATION OF OPTICAL FIBRE PREFORM BY CIP FORMING IMPROVED MICROSTRUCTURE IN MULTILAYER CERAMIC INFLUENCE OF PROCESS CONDITIONS ON THE SURFACE INTELLIGENT FORMING METHOD OF MAKING A CERAMIC BODY NEW AND BETTER ADDITIVES ENSURE FABRICATION OF QUALITY ORGANIC ADDITIVES IN BODY COMPOSITIONS FOR THE PROCESS IMPROVEMENT DURING CIP BY SUPERPOSITIONING PROCESSING AND CHARACTERISATION OF ALUMINIUM RELIABILITY OF ALUMINA CERAMICS. PT.2. EFFECT OF SURFACE ON PARTICULATE-REINFORCED TITANIUM MATRIX SURFACE OXIDATION OF SiCN GREEN COMPOSITES: EFFECT OF

## ISOTROPY

BARIUM OXIDE-RARE EARTH OXIDE-TITANIUM DIOXIDE BASED

## ISRAEL

INDUSTRIAL MINERAL DEVELOPMENTS IN ISRAEL

## ITALY

1995 COGNITIVE SURVEY OF BRICK SECTOR PRODUCERS BRICK PRODUCTION SECTOR: CERTIFICATION METHODS BRICK STAMPS OF THE AGRO ARMINENSE (RURAL RIMINI) BRICKWORK IN THE URBAN ENVIRONMENT CHARACTERISATION OF RAW MATERIALS FOR BRICKS FROM COMPANY PROFILE CONSORTIUM FOR THE MANAGEMENT OF THE ITALIAN CERAMIC EXPERIMENTAL TESTS AND NUMERICAL MODELLING OF THE FACEWORK BRICKS: MEDIUM AND LONG TERM OUTLOOKS FEDERACERAMICA: ITALIAN FEDERATION OF CERAMIC PRODUCERS FORCASTS FOR THE BRICK INDUSTRY. NO.4 JANUARY 1996 FURNACES OF THE RIMINI AREA FUTURE DEVELOPMENTS IN GLAZING AND GLAZES IN THE FUTURE OF THE BRICK INDUSTRY. NO.5 - JUNE 1996 GROWTH IN AVERAGE PRODUCTION COSTS OF ITALIAN CERAMIC INSTALLATION OF 5 NEW LINES KILNS INTEGRATED USE OF SEVERAL DIAGNOSTIC TECHNIQUES TO ITALIAN BRICK & TILE INDUSTRY ITALIAN CERAMIC CENTRE IN BOLOGNA: STRUCTURE AND ITALIAN TABLEWARE EXPORTS CONTINUE TO IMPROVE ITALIAN TILE AMONG AMERICA'S MOST FAVOURED IMPORTS ITALY'S CERAMIC MACHINERY CONSTRUCTION INDUSTRY 1995 ITALY'S TILE PRODUCERS UTILISE TECHNOLOGY MARKET ANALYSIS AND DEVELOPMENT PERSPECTIVES IN MECHANICAL CHARACTERISATION OF HISTORIC MORTARS OF MINERAL MARKETS IN THE CERAMIC INDUSTRY: THE TILE NEW VERTICAL KILN RESULTS IN MAJOR ENERGY SAVING AT PORCELAIN TILE CONTINUES ITS GROWTH PRESENTATION OF THE FIRST ITALIAN CAPS AND PRELIMINARY PROPERTIES OF THE LECCE STONE AND THE EFFECTS OF PROTECTION OF THE AIR AND WATER BY ITALIAN FACTORIES RAW MATERIALS FOR THE ITALIAN STONEWARE TILE INDUSTRY RAW MATERIALS RECOVER FROM LANDSIDE SETTLEMENT IN RECYCLING OF GRANITE PROCESSING WASTE FOR FELDSPAR SECTOR PROSPECTS AND POTENTIAL DEVELOPMENTS, IN SITE NEWS UPDATE ON SANITARYWARE PRODUCTION SITUATION OF THE ITALIAN BRICK AND TILE INDUSTRY IN STRUCTURAL INVESTIGATION OF THE PALAZZO FARNESE IN TILES SUPPORT ITALIAN CERAMICS INDUSTRY TIME DEPENDENT DAMAGE OF RUBBLE MASONRY WALLS WORLDWIDE TRENDS IN THE R & D ACTIVITIES ON ADVANCED

## JAPAN

CERAMIC RESEARCH PROJECTS SUPPORTED BY SCIENCE AND COMPARISONS OF THE FINE CERAMICS STANDARDS AMONG CURRENT CERAMIC RESEARCHES AT UNIVERSITIES, COLLEGES DEVELOPMENT OF 250 KW STACK FOR 1 MW SMFC PILOT PLANT HISTORY OF NEW DEVELOPMENTS IN SMCs JAPAN THINKS SMALL FOR BIG RESULTS JAPANESE CERAMICS AND BALL CLAYS JAPANESE NATIONAL PROJECT ON INTERMETALLICS AND JAPANESE POTTERY: CENTURIES OF TRADITION CONTINUE KAOLIN AND HALLOYSITE: ASIAN RESOURCES AND TRADE OVERVIEW OF INDUSTRIAL STANDARDISATION IN JAPAN AND PROSPECT OF THE JAPANESE ADVANCED CERAMICS MARKET REFRACTORIES INDUSTRY: STATUS AND TRENDS SITUATION OF R & D FOR CERAMIC IN MITI SOLID OXIDE ELECTROLYTE FUEL CELL REVIEW

## JC

PULSE FIRING IMPROVES TEMPERATURE UNIFORMITY AND

## JOINING

CHALLENGES FOR JOINING TO KEEP PACE WITH ADVANCING GLUING OF SINTERED PARTS MADE OF SILICON NITRIDE JOINING CERAMICS AND ATTACHING FASTENERS TO CERAMICS JOINING CERAMICS: STATE OF THE ART JOINING METHOD FOR JOINING ELECTRICALLY CERAMIC BODIES JOINING METHOD OF CERAMICS AND INSERTION MEMBER FOR JOINING NITRIDE CERAMICS JOINING OF ALUMINA CERAMICS TO METAL BY SOLUTION JOINING OF CARBON FIBRE-REINFORCED SILICON NITRIDE JOINING OF CARBON-CARBON COMPOSITES FOR THERMONUCLEAR JOINING OF CFC COMPOSITES FOR THERMONUCLEAR FUSION JOINING OF SiC TO SiC USING A PRECERAMIC POLYMER JOINING OF Si-Ti-CO FIBRE ASSEMBLED CERAMIC JOINING POROUS AND DENSE Al<sub>2</sub>O<sub>3</sub> CERAMICS WITH GREEN MANUFACTURE OF IRREGULAR BRICKS METHOD OF MAKING A PLANAR MULTILAYER CAPACITOR METHOD OF PRODUCING A SOLID OXIDE FUEL CELL MICROWAVE JOINING OF ALUMINA TO MAGNETAL MICROWAVE JOINING OF HIGH-PURITY ALUMINA MODELLING OF REACTION LAYER GROWTH IN METAL-CERAMIC PLASMA ENHANCED MICROWAVE JOINING SOLDER GLASSES AND SOME OF THEIR APPLICATIONS JOINING OF ELECTROLYTE GAS SENSOR AND PROCESS OF PRODUCING SPHERICAL HIP JOINT SOCKET ULTRASONIC ROLL SEAM WELDING FOR THE PRODUCTION OF VITREOUS JOINING PROCESS OF SiC/SiC COMPOSITES

76-05159P  
76-07944C  
76-09085P  
76-08563A  
76-00212A  
76-08720C  
76-08954A  
76-01148A

76-01619A

76-00564C  
76-03678A  
76-06830A  
76-08133A  
76-04236C  
76-09394A  
76-08140A  
76-01198A  
76-03699A  
76-01467A  
76-07920C  
76-06238A  
76-06068A  
76-08575A  
76-08386A  
76-00619C  
76-05888C  
76-02513C  
76-02120P  
76-05073A  
76-04296A

76-06348P

76-08378A

76-02315A

76-02322A

76-00319A

76-05208A

76-08349A

76-09304A

76-09305A

76-02727C

76-06312A

76-04926P

76-00345P

76-00014A

76-05313A

76-02346A

76-08318A

76-09345P

76-02404C

76-04902A

76-09322A

76-09323A

76-09324A

76-06892A

76-06893A

76-09324A

76-09325A

76-02442C

76-04911B

76-06009A

76-04919A

76-01272C

76-02451C

76-02375A

76-04018A

76-01525C

76-01526C

76-09338A

76-00630A

76-04928A

76-02778C

76-09347A

76-02787C

76-03930A

76-04861A

76-02334A

76-04875A

76-05361C

76-03892C

76-06866A

76-06025A

76-04904A

76-05316A

76-08379A

76-02369A

76-04922A

76-09331A

76-04827A

76-03099C

76-09955A

76-01169A

ADHESIVE BONDING: A CERAMIC ASSEMBLY PROCESS  
EFFECTS OF INTERLAYERS ON THE BONDING STRENGTH OF  
GLUING OF SINTERED PARTS MADE OF SILICON NITRIDE  
INSTALLING JOINT SEALANTS. PT.2  
JOINING OF ZIRCONIA-TO-ZIRCONIA USING  
JOINT DEVICE INCLUDING SUPERCONDUCTIVE PROBE HEADS FOR  
PRODUCTION. BONDING STRENGTH AND ELECTROCHEMICAL

76-01152C  
76-08151A  
76-08163A  
~~76-05004A~~  
76-01233A  
76-01104P  
76-08207A

**JOSEPHSON JUNCTION IN A WIRING PATTERN OF A  
JOSEPHSON JUNCTIONS**  
COMPLEX SUPERCONDUCTING QUANTUM INTERFERENCE DEVICE  
HIGH-TEMPERATURE SUPERCONDUCTING JOSEPHSON DEVICES  
JOSEPHSON JUNCTION DEVICE FORMED OF OXIDE  
JOSEPHSON JUNCTION DEVICE OF OXIDE SUPERCONDUCTOR AND  
METHOD FOR PRODUCING HIGH-TEMPERATURE SUPERCONDUCTING  
PROCESS FOR MAKING JOSEPHSON JUNCTIONS

76-01105P  
76-05771P  
76-05776P  
76-05781P  
76-05782P  
76-05788P  
76-03645P

## JUNCTIONS

ALUMINUM GALLIUM NITRIDE BASED HETEROJUNCTION BIPOLAR CMOS DEVICE STRUCTURE WITH REDUCED RISK OF SALICIDE GRADED-GAP PROCESS FOR GROWING AN SiC:Si  
HOT IMPLANTATION OF NITROGEN DONORS INTO P-TYPE METHOD FOR FABRICATING MOS TRANSISTOR HAVING  
METHOD FOR FORMING HETEROJUNCTION BIPOLAR TRANSISTORS  
METHOD OF MAKING COMBINED JFET AND MOS TRANSISTOR DEVICE  
N-TYPE WIDE BAND GAP SEMICONDUCTORS GROWN ON A P-TYPE  
PHOTOLUMINESCENCE [PL] CHARACTERISTICS OF  
USE OF DC BASE BIAS FOR ENHANCING THE PERFORMANCE OF

76-05531P  
76-07734P  
76-09010P  
76-04453A  
76-05559P  
76-05565P  
76-05583P  
76-07823P  
76-03269A  
76-03300C

BENEFICIATION OF ALUNITE KAOLINS  
CHINESE KAOLIN - CERAMIC BOOM CONTINUES  
COMBINED STUDY OF BELARUS KAOLINS AS RAW MATERIAL FOR  
DENSITY DEPENDENCE OF BENDING STRENGTH AND VICKERS  
DRY COM MINERAL COMPOSITION  
EVALUATION OF PARTICLE AGGREGATED STRUCTURES AND  
GROUP MINERAL HARWANNE, KAOLIN, FELDSPAR & QUARTZ  
INTERRELATED FEATURES OF STRUCTURE AND STACKING OF  
KAOLIN IN CERAMICS. THE VIEW FROM EUROPE  
KAOLIN PRODUCTION, COMPETITION & QUALITY RISING  
KAOLINS OF THE PROSYANOVSKOE AND KYSHYMINSKOE DEPOSITS  
LATEST DEVELOPMENTS IN CHINESE KAOLIN PROCESSING  
EFFECT OF KIN IN FIBRE KINETICS BY STRENGTH OF FIBRE  
OPACIFYING KAOLIN CLAY PIGMENTS HAVING IMPROVED  
POROUS MULLITE HONEYCOMB BY HYDROTHERMAL TREATMENT OF  
SINTERING OF ALUMINOSILICATE PRESSINGS IN VARIOUS GAS  
SOCIETE KAOLINIERE ARMORICAINE. COMPANY PROFILE  
STRUCTURED PIGMENT COMPOSITIONS, METHOD FOR  
STUDY ON THE HYDROTHERMAL SYNTHESIS OF CLAY MINERAL  
ULTRAHIGH BRIGHTNESS AND CRYSTALLINE CLAY PIGMENT  
WATERPROOFING FORMULATION

76-01161A  
76-01451A  
76-08352A  
76-04089A  
76-08625P  
76-04371A  
76-08375A  
76-03974A  
76-06026B  
76-06027B  
76-01497A  
76-01498A  
76-06036B  
76-03028P  
76-01635A  
76-07338A  
76-09341A  
76-01717P  
76-01547A  
76-06788P  
76-08639P

2H NMR STUDY OF HYDROGEN BONDING IN DEUTERATED  
CHEMICALLY MODIFIED KAOLINITE. GRAFTING OF METHOXY  
CONCENTRATED KAOLINITE SUSPENSIONS - POLYMER  
CRYSTALLINITY VARIATIONS IN KAOLINITE INDUCED BY  
METHOXYLATION OF THE SURFACE OF CLAY PARTICLES USING  
EARLY STAGES IN MECHANOCHEMICAL ACTIVATION OF  
EFFECTS OF ACIDITY ON THE HYDROTHERMAL SYNTHESIS OF  
EFFECTS OF CALCINING CONDITIONS OF KAOLINITE ON PORE  
EXPERIMENTAL TRANSFORMATION OF KAOLINITE TO HALLOSITE  
INTERRELATED FEATURES OF STRUCTURE AND STACKING OF  
KAOLINITE AND HALLOSITE USING X-RAY DIFFRACTION. TRUE  
KAOLINITE, MONTMORILLONITE RESEMBLES BEDIOLITE.  
MAS NMR EVIDENCE FOR THE PRESENCE OF SILICON IN THE  
PREPARATION AND CHARACTERISATION OF TWO DISTINCT  
SURFACE MODIFICATION OF KAOLINITE  
SYNTHESIS AND CHARACTERISATION OF A NOVEL  
TFM STUDY OF KAOLINITE THERMAL DECOMPOSITION BY

76-01434A  
76-08350A  
76-03931C  
76-03936A  
76-05991A  
76-05998A  
76-03947A  
76-08484A  
76-08370A  
76-03974A  
76-08379A  
76-01495A  
76-03984A  
76-01516A  
76-08445F  
76-01857A  
76-04049A

COATINGS TO INHIBIT OXIDATION ON R-SIC KILN FURNITURE  
CORRECT SELECTION OF AGED SIC KILN FURNITURE  
DESIGN ELEMENT OF KILN FURNITURE FOR HIGH CYCLE T  
PITTICTIOUS CRACK MODELS OF KILN FURNITURE FOR CERAMICS  
HIGH-QUALITY CORDIERITE KILN FURNITURE FOR CERAMICS  
IMPORTANCE OF KILN FURNITURE DESIGN AND SELECTION.  
IMPROVED R-SIC MATERIAL FOR CYCLICAL USE AT HIGH  
IMPROVEMENT OF THERMAL DESIGN FOR FURNITURE AND  
INNOVATIVE KILN FURNITURE FOR THE FAST FIRING OF  
INTERNAL FRICTION AND THERMAL SHOCK DAMAGE FOR SOME  
MASTERING THE TIME FACTOR DURING FIRING  
L.L.L.L.-CORUNDUM FOR FURNITURE WITH HIGH CREEP  
RELATIONSHIP BETWEEN KILN FURNITURE DESIGN AND ITS

76-05952A  
76-07293A  
76-02839A  
76-08316C  
76-07306A  
76-02872A  
76-07307A  
76-03890A  
76-05269A  
76-07312A  
76-03893A  
76-06488A  
76-01410A

**KILNS**

3D MODELLING OF EFFICIENT OXYGEN COMBUSTION IN GLASSMAKING  
APPLICATION OF 100% ENERGY ANALYSIS METHOD IN  
BRICK QUALITY IN THE KILN CROSS-SECTION OF A CLAMP  
CAR KILN WHEEL HAVING SILICON NITRIDE ROTATING MEMBERS  
CERAMIC ROLLERS FOR FAST FIRING KILNS  
CHARGING RACK FOR FIRING OBJECTS COMPOSED OF CERAMIC  
CONSTRUCTION AND USE OF MATHEMATICAL MODELS OF TUNNEL  
CONTROLLING AND FLOW IN A TUNNEL KILN  
DESIGN OF TUNNEL-KILN CARS FOR CRICKETS AND TILES  
DOUBLE-DECK SHUTTLE KILN FOR SANITARYWARE  
ELEMENTS FOR CEILINGS: RDB CASE IN PONTENURE, PIACENZA  
ENERGY-SAVING TUNNEL KILN CAR SYSTEMS FOR THE HEAVY  
FAST FIRING OF ROOFING TILES IN A TUNNEL KILN: THE  
FAST TRACK TO KILN PRODUCTIVITY  
FIRING CHOICES  
FIRING OF DECORATIONS ON WHITEWARES  
FIRST PULSE FIRED SANITARYWARE KILN IN FAIENCERIES DE  
FLUE GAS CLEANING WITH THE CTP-AUTOTHERM  
FULLY FIBRE INSULATED ELEVATOR FURNACES UP TO 1750 C  
HIGH TEMPERATURE AND HIGH PERFORMANCE FOR TECHNICAL  
CERAMIC TEMPERATURE AND HUMIDITY MEASUREMENT  
IMPROVED FLEXIBILITY FOR FIRING SPECIALS  
INFLUENCE OF THE KILN ATMOSPHERE ON THE FIRED COLOUR  
INNOVATIVE KILN DESIGN REDUCES PROCESS CYCLES  
INSTALLATION OF 5 NEW LIME KILNS  
INTERMITTENT KILNS: PROS AND CONS AND BUDGET  
KILN TROUBLESHOOTING AND THE FIX  
LIGHTWEIGHT TUNNEL KILN CARS - NEW CONCEPTS WITH  
LIME PRODUCTION WITH THE 'TWO WAY PRESSURE SYSTEM'  
MAQF REACHES TUNNEL KILN STAGE  
MASTERING THE TIME FACTOR DURING FIRING  
MATHEMATICAL MODEL FOR OPTIMISATION OF CONTINUOUS  
MICROWAVE-ASSISTED FIRING OF CERAMICS  
NEW FORCE IN ROLLER PRODUCTION  
NEW TECHNOLOGIES FOR TILE PRESSING AND FAST FIRING IN  
NEW VERTICAL KILN RESULTS IN MAJOR ENERGY SAVING AT  
OVEN FOR GLASS ARTICLE  
POT FITTERS 'ROLL' UPRIGHT THROUGH THE KILN  
POTENTIAL FOR UPGRADING VERTICAL SHAFT LIME KILNS  
PRESENT STATE OF TECHNOLOGY FOR FIRING CERAMIC

76-08121A  
76-06318A  
76-05207A  
76-06279F  
76-03879A  
76-08236F  
76-01392A  
76-01393A  
76-08311A  
76-01395C  
76-03883A  
76-01396A  
76-03884A  
76-01397A  
76-07374E  
76-03885A  
76-02344A  
76-08317A  
76-08319A  
76-08321A  
76-07274A  
76-01402A  
76-04999A  
76-01403A  
76-05953A  
76-03891A  
76-05006A  
76-03892A  
76-03893A  
76-03894C  
76-01404A  
76-01251A  
76-00350A  
76-05005A  
76-01432F  
76-01406A  
76-05016A  
76-00621A

PROBLEMS OF TUNNEL KILN FOR SILICA BRICK AND MEASURES  
PRODUCTS AND INSTALLATION INNOVATIONS FOR HIGH  
PRODUCTION OF LARGE COMPONENTS FOR ADVANCED CERAMICS  
RAPID FIRING OF KILNS  
RAPID TUNNEL KILN - THE RIPA BIANCA CASE STUDY  
RAPID TUNNEL KILN - THE RIPABIANCA CASE  
RATIONALISING KILN ENERGY CONSUMPTION IN THE CERAMICS  
RETROFIT ECONOMICS: MODEST KILN INVESTMENT YIELDS  
RETROFITTING TUNNEL KILNS  
ROLLER KILN FOR ROOFING ELEMENTS: CATRAPARAMA CASE

76-08329A  
76-02924C  
76-08330A  
76-03898E  
76-01408C  
76-01409A  
76-03899A  
76-01412A  
76-05957A  
76-01413C

ROLLER KILNS FOR PARTITION ELEMENTS; THE GUIRAUD  
ROLLER KILNS FOR ROOFING TILES; THE CATRAPARAMA CASE  
SITI NEWS FOR SANITARYWARE PRODUCTION  
SITI NEWS UPDATE ON SANITARYWARE PRODUCTION  
NEW ASPECTS OF INVESTMENT IN THE THERMAL EFFICIENCY  
STATE OF THE ART: SANITARYWARE PRODUCTION  
TECHNOLOGICAL TRANSFER AND INNOVATION DOWNFALL IN  
TEMPERATURE DISTRIBUTION IN THE FAST FIRING TUNNEL  
TEMPERATURE DISTRIBUTION AND FLUX STATEMENTS ON FIRING  
TWO YEARS OF LUKMAN OPERATING EXPERIENCE AT  
UNION CROADE VERTICAL LIME KILN REVAMP  
VOLUME FLOW RATE MEASUREMENT FOR PROCESS CONTROL IN  
GAS FLOW

76-01414A  
76-01415A  
76-01416A  
76-03018A  
76-00630A  
76-01417A  
76-03019A  
76-03021C  
76-08331A  
76-03024C  
76-05027A  
76-05028A  
76-03797A  
76-09360A

AQUEOUS CORROSION AND THE BIOLOGICAL HAZARD OF BORN  
 FROM FIBRES OXIDATION  
 CALORIMETRIC ANALYSIS OF INTERACTIONS IN DISPERSE  
 POLYMERIZATION OF VINYL MONOMERS. KINETICS  
 CROSS-CONDENSATION KINETICS OF ORGANICALLY MODIFIED  
 DENSIFICATION BEHAVIOUR OF METAL AND DIELECTRIC FILMS  
 EFFECT OF MATRIX GRAIN GROWTH KINETICS ON COMPOSITE  
 EVOLUTION OF GASES FROM REFRACTORY MIXTURES ON THE  
 FORMATION OF PORE DEFECTS IN TUNNEL DEFECTS IN  
 FUNDAMENTAL REACTION OF REFRACTORIES, POINT DEFECTS  
 GRAIN GROWTH KINETICS OF LIME AND PERCLASE PHASE IN  
 GROWTH STAGE KINETICS IN THE SYNTHESIS OF A2O3/Al  
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 KINETIC AND STRUCTURAL STUDIES OF OXYGEN PERMEABILITY  
 KINETIC AND THERMODYNAMIC STUDIES ON THE INCORPORATION  
 KINETIC ASPECTS OF THE FORMATION OF LEAD ZINCURINUM  
 KINETIC COEFFICIENTS IN THE HUBBARD MODEL WITH  
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 KINETICS AND MECHANISM OF CRYSTALLISATION OF GELENITE  
 KINETICS AND MECHANISMS OF HYDROTHERMAL SYNTHESIS OF  
 KINETICS AND OPTIMISATION OF TEMPERATURE AND TIME  
 KINETICS OF NITROGEN IN GaAs LAYERS DURING GaAs  
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 KINETICS OF THERMAL OXIDATION OF SILICON NITRIDE  
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 OXIDATION BEHAVIOUR OF POROUS SiC AT HIGH TEMPERATURES  
 OXIDATION RATE OF ALUMINA GRAPHITE IMMERSION NOZZLE  
 OXIDATION-INHIBITED GRAIN GROWTH OF SiC IN H<sub>2</sub>O  
 PASSIVE-OXIDATION KINETICS OF HIGH-PURITY SILICON  
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 THERMAL STABILITY OF SILICON NITRIDE COATINGS OF  
 TIME DEPENDENCE OF METHANE STEAM REFORMING ON NICKEL

76-04723  
76-08346  
76-08805  
76-04414  
76-06391  
76-00677  
76-09173  
76-00438  
76-00441  
76-04698  
76-08827  
76-04451  
76-05003  
76-06136  
76-06137  
76-03396  
76-03553  
76-05004  
76-05112  
76-03397  
76-03977  
76-07620  
76-03978  
76-03979  
76-02560  
76-00498  
76-02918  
76-04387  
76-08280  
76-04789  
76-04294  
76-04185  
76-05466

## WORLDWIDE TRENDS IN THE R &amp; D ACTIVITIES ON ADVANCED

76-02390

DARESBURY ANALYTICAL RESEARCH AND TECHNOLOGY CENTRE  
PROGRESS AND INNOVATION IN RESEARCH AND DEVELOPMENT

76-06423  
76-09306  
76-06900

APPLICATION OF ALUMINA-SPINEL CASTABLE REFRACTORIES TO APPLICATION OF ALUMINA-SPINEL CASTABLE REFRACTORIES TO APPLICATION OF ALUMINA-SPINEL CASTABLE REFRACTORIES TO APPLICATION OF SPINEL-CARBON BRICK IN STEEL LADLE APPLICATION OF THERMO-MECHANICAL MODELLING TO CARBON ARGON STIRRING - DEVELOPMENT OF A NOVEL SYSTEM FOR DESIGN OF LADLE LINING BASED ON TEMPERATURE SIMULATION DEVELOPMENT OF A NOVEL SYSTEM FOR DESIGN OF LADLE LINING DEVELOPMENT OF ALUMINA-MAGNESIA CASTABLE FOR STEEL DEVELOPMENT OF MAGNESIA-SPINEL-CARBON BRICK FOR LADLE EFFECT OF ALUMINA GRAIN SIZE ON SPINEL FORMATION INTRODUCTION OF MONOLITHS IN EUROPEAN STEEL LADLES: LADLE TREATMENT OF ALUMINA-SPINEL CASTABLES WITH LOW MOISTURE REGULAR CORUNDUM-SPINEL CASTABLES WITH MAGNESIA-SPINEL BRICK CONTAINING  $MgO$  RICH SPINEL FOR MECHANISATION OF REFRACTORY LINING INSTALLATION AND METHOD TO PREVENT MOLTEN STEEL FROM PENETRATING INTO CASTABLE REFRACTORIES FOR THE MINIMISING OF PENETRATION OF MOLTOCHITIC REFRACTORY STEEL LADLE OPTIMISATION OF REFRACTORIES OF STEEL LADLES WITH PRODUCING BASIC REFRACTORIES FOR STEEL APPLICATIONS PROGRESS IN LADLE REFRACTORIES TECHNIQUES AT KAWASAKI STEEL CO. LTD. STEEL LADLE LINING WITH A NEW TYPE TESTING AN OLIVINE RAILROAD MIXTURE UNDER THE THERMAL CHARACTERISTICS OF CASTABLES FOR TEEMING LADLE UNBURNED MAGNESIA-DOLomite-CARBON BRICK FOR THE USE OF HIGH STRENGTH INSULATION TO IMPROVE LINING

76-05236  
76-00381  
76-00384  
76-00388  
76-02809  
76-00395  
76-00408  
76-00411  
76-00413  
76-00418  
76-05252  
76-02889  
76-02964  
76-00475  
76-00478  
76-05274  
76-00481  
76-00491  
76-00495  
76-00496  
76-05283  
76-05005  
76-02947  
76-00539  
76-05295  
76-05297  
76-00548  
76-00548

AMORPHOUS METAL-CERAMIC COMPOSITE MATERIAL  
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ELECTROINTERFACE DESIGN ON HIGH-TEMPERATURE FAILURE  
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ELECTROPHORETIC FORMING OF SILICON CARBIDE LAMINATES  
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FRATURE BEHAVIOUR OF MULTILAYER SILICON NITRIDE/BORON  
FILAMENT FILLED POLYIMIDES FOR PROTECTION R  
LAMINATE, GLASS FIBRE NONWOVEN FABRIC THEREOF, AND A  
LAMINATED GLASS AND PREPARATION THEREOF  
LAMINATED GLASS CONSTRUCTION HAVING AN INTERMEDIATE  
METHOD FOR FORMING A CERAMIC CIRCUIT SUBSTRATE  
METHOD FOR PREPARING A CERAMIC SUBSTRATE IN A  
METHOD OF FABRICATING CERAMIC PACKAGE BODY FOR HOLDIN  
METHOD OF MAKING CERAMIC ARTICLE WITH CAVITY USING  
METHOD OF MANUFACTURING A CERAMIC SUBSTRATE  
METHOD OF MANUFACTURING LAMINATED CERAMIC CAPACITOR  
METHOD OF MANUFACTURING LAMINATED CERAMIC DEVICES  
METHOD OF MANUFACTURING A LAMINATED PIEZOELECTRIC  
METHOD OF MANUFACTURING LAMINATED PIEZOELECTRIC  
PICKUP APPARATUS FOR PICKING UP A CUT SHEET FROM A  
PREPARATION OF ALUMINA MEMBRANES BY TAPES CASTING AND  
PREPARATION OF A SOLID OXIDE FUEL CELL HAVING THIN

76-00148  
76-01317  
76-05821  
76-04746  
76-02252  
76-02255  
76-08470  
76-04090  
76-05047  
76-05488  
76-05841  
76-01215  
76-01753  
76-03475  
76-05118  
76-05197  
76-00307  
76-04583  
76-06652  
76-05573  
76-06670  
76-02126  
76-06680  
76-06681  
76-05709  
76-01005  
76-03818  
76-04478  
76-01981  
76-03141



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 SUBMICRON BONDED SOI BY TRENCH PLAZMARTIZATION 76-04673P  
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 TAPE-CAST ALUMINA-ZIRCONIA LAMINATES: PROCESSING AND 76-04515A  
 THIN HIGH-DENSITY GLASS FIBRE PANEL 76-00276P
- LAMINATION**  
 METHOD OF MAKING MULTILAYERED CERAMIC SUBSTRATES 76-09066P  
 METHOD OF PRODUCING A LAMINATED ELECTRONIC DEVICE 76-07509P  
 METHOD OF PRODUCING A PIEZOELECTRIC/ELECTROSTRICTIVE 76-07991P  
 PRODUCING A CERAMIC MEMBER HAVING FINE THROUGHHOLES 76-08248P  
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- LANTHANUM BORIDE**  
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76-04202P  
 76-08615P  
 76-07729P  
 76-07730P  
 76-08620P  
 76-07471P  
 76-03117P  
 76-01674P  
 76-06554P  
 76-06555P  
 76-08617P  
 76-00821P  
 76-08747P  
 76-02056P  
 76-05474P  
 76-06190P  
 76-01678P  
 76-06564P  
 76-08748P  
 76-04540P  
 76-00155P  
 76-05728P  
 76-06280P  
 76-06281P  
 76-08626P  
 76-05535P  
 76-08628P  
 76-08749P  
 76-08699P  
 76-04959P  
 76-02070P  
 76-05535P  
 76-07559C  
 76-05595C  
 76-02073P  
 76-05539P  
 76-03119P  
 76-06781P  
 76-08624P  
 76-02076P  
 76-03307P  
 76-03123P  
 76-01175A  
 76-08999P  
 76-03030P  
 76-05371C  
 76-01796P  
 76-03077P  
 76-03308P  
 76-03126P  
 76-05488P  
 76-00772P  
 76-00773P  
 76-03189A  
 76-04404P  
 76-03631P  
 76-06195P  
 76-01688P  
 76-04445A  
 76-00776P  
 76-03541A  
 76-03199P  
 76-07586P  
 76-07743P  
 76-00830P  
 76-07589C  
 76-03542A  
 76-01691P  
 76-03025P  
 76-05543P  
 76-07592C  
 76-07597C  
 76-02532P  
 76-03083P  
 76-05544P  
 76-03204C  
 76-00832P  
 76-00833P  
 76-07599P  
 76-03045P  
 76-03312P  
 76-05395C  
 76-06605P  
 76-06606P  
 76-07603C  
 76-05776P  
 76-03209A  
 76-02392P  
 76-07605C  
 76-05549P  
 76-03314P  
 76-07606C  
 76-02088P  
 76-00778P  
 76-01035P  
 76-07748P  
 76-07043P  
 76-00163P  
 76-07620C  
 76-02091P  
 76-05552P  
 76-07751P  
 76-07752P  
 76-09018P  
 76-03016P  
 76-03316P  
 76-00166P  
 76-04576P  
 76-07757P  
 76-03317P  
 76-09001P  
 76-03318P  
 76-02096P  
 76-03494P  
 76-05738P  
 76-05740P  
 76-03456P  
 76-03498P  
 76-05742P  
 76-04578P  
 76-03319P  
 76-03240C  
 76-07633C  
 76-07756P  
 76-03132P  
 76-00831P  
 76-00839P

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 METHOD OF FABRICATING A MICROSCALE INTEGRATION  
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 METHOD OF FORMING CONDUCTIVE  
 METHOD OF FORMING OXIDE PASSIVATION FILM HAVING  
 METHOD OF FORMING A RESIST PATTERN BY USING A SILICON  
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 METHOD OF FORMING A SEMICONDUCTOR DEVICE HAVING CMOS  
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 METHOD OF MAKING SEMICONDUCTOR DEVICE HAVING SIMOX  
 METHOD OF MAKING SEMICONDUCTOR DEVICE HAVING THIN FILM  
 METHOD OF MAKING SEMICONDUCTOR DEVICE WITH METAL  
 METHOD OF MAKING SEMICONDUCTOR DEVICE WITH MULTIPLE  
 METHOD OF MAKING A TOOTH-SHAPE CAPACITOR  
 METHOD OF MAKING A TOOTH-SHAPE CAPACITOR USING ION  
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 METHOD OF MANUFACTURING A CERAMIC SUBSTRATE  
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 METHOD OF MANUFACTURING A SEMICONDUCTOR ACCELEROMETER  
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 PIEZOCOMPOSITE SHEET ACTUATED VALVE  
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 PROCESS FOR PRODUCING MOLYBDATE CARBONATE FUEL CELLS  
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76-00780P  
 76-06633P  
 76-07759P  
 76-03321P  
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 76-03336P  
 76-04624P  
 76-09460C  
 76-07637C  
 76-02133P  
 76-04627P  
 76-07640C  
 76-05507P  
 76-05596P  
 76-09079P  
 76-03816P  
 76-06469C  
 76-01805P  
 76-01806P  
 76-07071P  
 76-00858P  
 76-05600P  
 76-07650C  
 76-01706P  
 76-03578A  
 76-01899P  
 76-07684C  
 76-07824P  
 76-08055P  
 76-03338P  
 76-03817P  
 76-06484C  
 76-05710P  
 76-06697P  
 76-06708P  
 76-06710P  
 76-00861P  
 76-05719P  
 76-07829P  
 76-05603P  
 76-04644P  
 76-05746P  
 76-08055P  
 76-04646P  
 76-01125P  
 76-02157P  
 76-04653P  
 76-07050P

- PROCESS FOR THE CHEMICAL CLEANING OF METAL COMPONENTS  
PROCESS FOR THE PRODUCTION OF COMPOSITE SYSTEMS HAVING  
PROCESS FOR THE TREATMENT OF GLASS TO IMPROVE ITS  
PROCESS FOR THE VAPOR DEPOSITION OF A METAL  
PRODUCTS HAVING MULTIPLE-SUBSTITUTED POLYSILOXANE  
RADIATION DETECTOR  
RECESSED SIDEWALL-SEALED AND SANDWICHED POLYBUTYRENE  
RESIST ETCHBACK PLAMAZING TECHNIQUES FOR FABRICATING  
SAPPHIRELESS GROUP III NITRIDE SEMICONDUCTOR AND  
SELECTIVE CALL RADIO HAVING A CERAMIC SUBSTRATE FOR  
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SUPERCONDUCTING ACTIVE LUMPED COMPONENT FOR MICROWAVE  
SUPERCONDUCTING DEVICE HAVING A REDUCED THICKNESS OF  
SUPERCONDUCTING OXIDE THIN FILM DEVICE  
SUPERCONDUCTIVE DEVICE FOR HELPING SHIELD MAGNETIC  
SUPERCONDUCTOR ELEMENT AND METHOD OF MANUFACTURING THE  
SUPERCONDUCTOR/INSULATOR METAL OXIDE HETEROSTRUCTURE  
SURFACE ACOUSTIC WAVE DEVICE  
SURFACE ENERGY CONSTRAINTS FOR HETEROEPITAXIAL GROWTH  
SURFACE REFLECTING MIRROR HAVING A SURFACE REFLECTING  
TANTALA-SILICA INTERFERENCE FILTERS AND LAMPS USING  
TEMPERATURE CHARACTERISATION OF METALLIC NANOPARTICLES  
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THICK THERMAL BARRIER COATING HAVING GROOVES FOR  
THICKNESS DEPENDENCE OF ELECTRONIC PROPERTIES OF GaN  
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THIN FILM MAGNETIC HEAD INCLUDING LIGHTNING ARRESTER  
THIN POLYSILOXAN DOPING BY DIFFUSION FROM A DOPED  
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CONTROL OF Ca LEACHABILITY IN CEMENTITIOUS BINDERS  
COUNTERMEASURES FOR LEAD RELEASE FROM JAPANESE COLOURS  
LEACHABILITY OF LEAD FROM SOLIDIFIED CEMENT-FLY ASH  
LEACHING OF CEMENT: STUDY OF THE SURFACE LAYER  
LEACHING OF SODIUM SILICATE-BASED SLURRIES  
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- LEAD  
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MAGNETIC VORTEX STATE OF ALIGNED (BiPb)<sub>2</sub>SrCa<sub>2</sub>Cu<sub>3</sub>O<sub>x</sub>  
METHOD OF PREPARING BISMUTH OXIDE SUPERCONDUCTOR  
METHOD OF PRODUCING OXIDE SUPERCONDUCTOR  
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MODEL FOR LEACHING OF LEAD FROM COLOUR USED IN  
OXIDE-BASED SUPERCONDUCTOR, A PROCESS FOR PREPARING  
Pb-BI-CONTAINING HIGH-DIELECTRIC CONSTANT OXIDES USING  
PHYSICO-CHEMICAL PROPERTIES AND MICROWAVE ABSORPTION OF  
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REDUCTION OF LEAD RELEASE FROM OVERGLAZE COLOUR  
REGULATIONS OF LEAD RELEASE FROM POTTERY AND ITS  
RHEOLOGY OF FLUORIDE GLASSES  
STUDY OF THERMALLY STIMULATED DISCHARGE CURRENT IN  
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SYNTHESIS OF Bi<sub>1.8</sub>Pb<sub>0.4</sub>Sr<sub>2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>x</sub> SUPERCONDUCTOR  
VANADIUM-SUBSTITUTED Bi-Pb-Sr-Cu-O SUPERCONDUCTORS  
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- LEAD BARIUM NIOBATE  
EFFECT OF A-SITE VACANCY ORDER-DISORDER STATES ON  
EFFECTS OF MICROSTRUCTURE AND COMPOSITION ON THE CURIE  
LEAD BARIUM ZIRCONATE  
DIELECTRIC AND FIELD-INDUCED STRAIN BEHAVIOUR OF  
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EFFECT OF Mn ON AGEING OF (Pb<sub>0.6</sub>Bi<sub>0.4</sub>)(Zr<sub>0.7</sub>Ti<sub>0.3</sub>)O<sub>3</sub>  
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LEAD CADMIUM NIOBATE  
CHEMICAL PREPARATION OF RELAXOR COMPOUNDS CONTAINING
- LEAD CALCIUM TITANATE  
AC CONDUCTIVITY OF MODIFIED LEAD TITANATE THIN FILMS  
DIELECTRIC AND ORDERING BEHAVIOUR IN Pb<sub>1-x</sub>Ca<sub>x</sub>TiO<sub>3</sub>  
ELASTIC COEFFICIENTS IN LEAD TITANATE CERAMICS NEAR  
ELECTRIC POLARISATION OF MODIFIED PbTiO<sub>3</sub> THIN FILMS  
LASER ABLATION DEPOSITION OF Pb<sub>1-x</sub>Ca<sub>x</sub>TiO<sub>3</sub>  
POLYTYPE STRUCTURES IN LEAD-CALCIUM TITANATE CERAMICS  
PRECURSOR SOLUTION SYNTHESIS OF MODIFIED LEAD TITANATE  
SOL-GEL SYNTHESIS AND ELECTRICAL CHARACTERISATION OF  
LEAD CALCIUM ZIRCONATE  
DIELECTRIC PROPERTIES OF (Pb<sub>1-x</sub>Ca<sub>x</sub>)(Zr<sub>1-y</sub>Sm<sub>y</sub>)O<sub>3</sub>  
LEAD CHROMIUM OXIDE  
DC I-V CHARACTERISTICS AND STEADY-STATE  
LEAD FLUORIDE  
LARGE SIZE CRYSTAL GROWTH FOR BETA-LEAD FLUORIDE  
LEAD GERMANATE  
X-RAY AND DIELECTRIC STUDIES OF Pb<sub>4.9</sub>Ca<sub>0.1</sub>Ge<sub>30</sub>11  
LEAD IRON  
CHEMICAL PREPARATION OF LEAD-CONTAINING NIOBATE  
LEAD IRON NIOBATE  
(1-x)Pb(Mg<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3</sub>-xPb(Fe<sub>1/2</sub>Nb<sub>1/2</sub>)O<sub>3</sub> POWDERS BY  
CHEMICAL PREPARATION OF RELAXOR COMPOUNDS CONTAINING  
FABRICATION AND CHARACTERISATION OF FERROELECTRIC PFM  
INTERACTION BETWEEN LEAD IRON NIOBATE/TUNGSTATE  
PREPARATION OF LEAD IRON NIOBATE BY SEMI-WET ROUTE  
LEAD IRON TANTALATE  
FORMATION OF Pb(Fe<sub>1/2</sub>Ta<sub>1/2</sub>)O<sub>3</sub> THIN FILMS BY SOL-GEL  
STUDIES OF MOSSBAUER SPECTRUM ON Pb(Fe<sub>1/2</sub>Ta<sub>1/2</sub>)O<sub>3</sub>  
LEAD IRON TUNGSTATE  
CRYSTALLIZATION KINETICS OF AMORPHOUS Pb(Fe<sub>2</sub>W<sub>1/3</sub>)O<sub>3</sub>  
INTERACTION BETWEEN LEAD IRON NIOBATE/TUNGSTATE  
STOICHIOMETRIC DEPENDENCE OF THE AGEING PHENOMENA IN  
VACANCY EFFECTS ON DIELECTRIC PROPERTIES OF  
LEAD LANTHANUM  
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DYNAMIC BEHAVIOUR OF DOMAINS DURING POLING BY ACOUSTIC  
EFFECTS OF DRYING TEMPERATURE ON THE OPTICAL  
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RELATIONSHIP BETWEEN POLING BEHAVIOUR AND ACOUSTIC  
LEAD LANTHANUM ZIRCONATE STANNATE TITANATE  
EFFECT OF COMPOSITIONAL VARIATIONS IN THE LEAD  
LEAD LANTHANUM ZIRCONATE TITANATE  
AC-DRIVE-ENHANCED RELAXOR CHARACTERISTICS AND DOMAIN  
DIELECTRIC RELAXATION BEHAVIOUR AND A-SITE ORDERING OF  
DOMAIN STRUCTURE-PROPERTY RELATIONS IN LEAD LANTHANUM  
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ELABORATION OF TRANSPARENT PLTZ CERAMICS BY AN  
ELECTRONIC DEVICE USING ZIRCONATE TITANATE AND BARIUM  
FORMATION AND CHARACTERISTICS OF LEAD LANTHANUM  
GROWTH AND FATIGUE PROPERTIES OF PULSED LASER  
LONG-TIME RELAXATION FROM RELAXOR TO NORMAL  
METHOD OF FABRICATING PLTZ PIEZOELECTRIC CERAMICS  
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NB-DOPED PLTZ PIEZOELECTRIC CERAMICS  
NEUTRON RADIATION EFFECTS ON PLTZ AND PSN CERAMICS  
NOVEL ROUTE TO PLTZ POWDER SYNTHESIS STARTING FROM  
PHOTOVOLTAIC RESPONSE MAP IN PLTZ CERAMICS DOPED WITH  
PLTZ BASED ELECTROOPTIC PHASE ARRAY OPTICAL SCANNER  
PREPARATION AND CHARACTERISATION OF PLTZ THIN FILMS BY  
STRUCTURAL AND DIELECTRIC PROPERTIES OF COMPLEX PLT  
LEAD MAGNESIUM NIOBATE  
(1-x)Pb(Mg<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3</sub>-xPb(Fe<sub>1/2</sub>Nb<sub>1/2</sub>)O<sub>3</sub> POWDERS BY  
CHEMICAL PREPARATION OF LEAD-CONTAINING NIOBATE  
CHEMICAL PREPARATION OF RELAXOR COMPOUNDS CONTAINING  
DIELECTRIC AND ELECTROSTRICTIVE PROPERTIES OF  
DIELECTRIC PROPERTIES OF (Pb<sub>1-x</sub>Az<sub>x</sub>)(Mg<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3</sub>  
EFFECT OF DOPANTS ON AGEING PROPERTIES FOR THE PMN-0.1  
EFFECT OF PbTiO<sub>3</sub> CONCENTRATION ON THE PROPERTIES OF  
EFFECT OF STARTING COMPONENTS ON THE GROWTH OF  
EFFECTS OF CuO ADDITION ON THE DIELECTRIC PROPERTIES  
FABRICATION, CHARACTERISATION AND FORMATION MECHANISM  
FAST FORMING OF LEAD MAGNESIUM NIOBATE AT LOW  
FORMATION OF LEAD MAGNESIUM NIOBATE PEROVSKITE FROM  
KINETIC ANALYSIS OF COMBUSTION SYNTHESIS OF LEAD  
PHASE ANALYSIS OF SEEDED AND DOPED PbMg<sub>1/3</sub>Nb<sub>2/3</sub>O<sub>3</sub>  
PIEZOELECTRIC PORCELAIN  
PREPARATION OF FINE POWDERS WITH PEROVSKITE STRUCTURE  
PREPARATION OF PYROCHLORE-FREE LEAD MAGNESIUM NIOBATE  
ROLE OF THE ADDITION OF Pb<sub>1/4</sub>(Al<sub>1/4</sub>W<sub>1/4</sub>)<sub>2</sub>O<sub>3</sub> IN THE  
STABILITY OF THE PEROVSKITE PHASE IN PMN-PZN-PT  
STRUCTURAL AND DIELECTRIC PROPERTIES OF  
SYNTHESIS AND CHARACTERISATION OF LEAD MAGNESIUM  
SYNTHESIS OF NOVEL PRECURSORS FOR PMN POWDERS AND THE  
SYNTHESIS OF PbMg<sub>1/3</sub>Nb<sub>2/3</sub>O<sub>3</sub> POWDER BY SOLVENT  
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DIELECTRIC PORCELAIN COMPOSITION HAVING A HIGH  
PREPARATION CONDITIONS AND SUBSTITUTION INFLUENCE ON  
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PHASIC AND MICROSTRUCTURAL DEVELOPMENTS OF  
LEAD NIOBATE  
ROLE OF ORDERED A1-SITE VACANCIES IN BELT NANO-DOMAINS  
LEAD OXIDE  
CONDUCTIVE PASTE AND MULTILAYER CERAMIC CAPACITOR  
CONDUCTIVE PASTE AND MULTILAYERED CERAMIC CAPACITOR  
CRYSTALLIZED GLASS COMPOSITIONS FOR COATING  
DIELECTRIC COATING FOR OZONE GENERATOR ELECTRODES  
ELECTROLYTIC DEGRADATION OF PHENOL IN AQUEOUS SOLUTION  
FAST PHOTOMETRIC DETERMINATION OF IRON IMPURITY IN RED  
FORMATION OF PbO POWDER BY HYDROTHERMAL OXIDATION OF  
LOW-TEMPERATURE SEALING COMPOSITION WITH REDUCED SiO<sub>2</sub>  
OPHTHALMIC GLASS OF HIGH REFRACTIVE INDEX  
RED LEAD OR LITHARGE FOR CRYSTAL GLASS?  
SEALING GLASS COMPOSITION AND METHOD OF MAKING AND OF  
SIMPLE AND NEW ROUTE FOR THE PREPARATION OF HIGH  
YSV DIELECTRIC COMPOSITION  
LEAD SAMARIUM TITANATE  
ELASTIC COEFFICIENTS IN LEAD TITANATE CERAMICS NEAR  
LOW FREQUENCY PIEZOELECTRIC RELAXATION IN MODIFIED  
LEAD SCANDIUM NIOBATE  
CHEMICAL PREPARATION OF RELAXOR COMPOUNDS CONTAINING  
NEUTRON RADIATION EFFECTS ON PLTZ AND PSN CERAMICS  
LEAD SCANDIUM TANTALATE  
LOW-TEMPERATURE PREPARATION OF PEROVSKITE  
LEAD STRONTIUM TITANATE  
TEMPERATURE DEPENDENT POSITIVE TEMPERATURE COEFFICIENT OF  
LEAD STRONTIUM ZIRCONATE TITANATE  
REACTIVE PZT PRECURSOR POWDER BY COPRECIPITATION



## LEAD TITANATE

CHARACTERISTICS OF PbTiO<sub>3</sub> THIN FILMS ON Pt/Ti/SiO<sub>2</sub>/Si  
 CHEMICAL ANALYSIS OF SOL-GEL DERIVED PbTiO<sub>3</sub> THIN FILM  
 CRYSTALLISATION OF SOL-GEL DERIVED PbTiO<sub>3</sub>-SiO<sub>2</sub>  
 DENSE PZT/PbTiO<sub>3</sub> CERAMIC COMPOSITE PREPARED BY O<sub>2</sub>  
 DEPENDENCES OF PbTiO<sub>3</sub> THIN FILMS ON Ti BATH  
 DIELECTRIC PORCELAIN COMPOSITION HAVING A HIGH  
 DIELECTRIC THIN FILM OF SUBSTITUTED LEAD TITANATE  
 DYNAMIC BEHAVIOUR OF DOMAINS DURING POLING BY ACOUSTIC  
 EFFECT OF PbTiO<sub>3</sub> CONCENTRATION ON THE PROPERTIES OF  
 FERROELECTRIC PHASE TRANSITION BEHAVIOUR IN  
 FORMATION OF BaTiO<sub>3</sub> AND PbTiO<sub>3</sub> THIN FILMS UNDER MILD  
 HYDROTHERMAL SYNTHESIS OF PbTiO<sub>3</sub> FROM PbO AND TiO<sub>2</sub>  
 HYDROTHERMAL SYNTHESIS OF PbTiO<sub>3</sub> POWDERS  
 INFLUENCE OF Al<sub>2</sub>O<sub>3</sub> BUFFER LAYER ON THE CRYSTALLINE  
 ION BEAM ASSISTED CRYSTALLISATION BEHAVIOUR OF SOL-GEL  
 MICROSTRUCTURAL INSTABILITY IN SINGLE-CRYSTAL THIN  
 MICROSTRUCTURE DEVELOPMENT OF MODIFIED LEAD  
 Pb<sub>1-x</sub>Ti<sub>x</sub>O<sub>3</sub>: A NEW PHOTOACTIVE PHASE  
 PbTiO<sub>3</sub>-PbO-B<sub>2</sub>O<sub>3</sub> GLASS-CERAMIC THIN FILMS BY A SOL-GEL  
 PHASE TRANSFORMATIONS IN SOL-GEL PREPARED PbTiO<sub>3</sub>  
 PIEZOELECTRIC CERAMIC  
 PREPARATION OF FINE POWDERS WITH PEROVSKITE STRUCTURE  
 PREPARATION OF PbTiO<sub>3</sub> FIBRES USING  
 RAMAN STUDIES ON PbTiO<sub>3</sub> THIN FILMS BY MODIFIED SOL-GEL  
 SIMPLE SYSTEM FOR THE PREPARATION OF SUBMICROMETRE  
 STRUCTURAL AND DIELECTRIC STUDY OF THE  
 SURFACE TREATING METHOD FOR CERAMIC PARTICLES TO  
 SYNTHESIS OF LEAD TITANATE: THERMODYNAMIC MODELLING  
 SYNTHESIS OF SUBMICRON PbTiO<sub>3</sub> PARTICLES BY THE  
 THICKNESS DEPENDENCE OF FERROELECTRIC PROPERTIES OF

## LEAD ZINC

STABILITY OF THE PEROVSKITE PHASE IN PMN-PZN-PT

## LEAD ZINC NIOBATE

CHEMICAL PREPARATION OF RELAXOR COMPOUNDS CONTAINING  
 PREPARATION OF STABILISED Pb(Zn<sub>1/3</sub>Nb<sub>2/3</sub>)<sub>3</sub>(PZN) FILMS

## LEAD ZIRCONATE

DIELECTRIC PORCELAIN COMPOSITION HAVING A HIGH  
 EFFECT OF DOPANTS ON HIGH FREQUENCY DIELECTRIC  
 PIEZOELECTRIC CERAMIC  
 TUNABLE THIN-FILM ACOUSTIC RESONATORS AND METHOD FOR

## LEAD ZIRCONATE TITANATE

ACETIC ACID/WATER BASED SOL-GEL PZT PROCESS, PT.1  
 ACETIC ACID/WATER BASED SOL-GEL PZT PROCESS, PT.2  
 APPLICATION OF MM-WAVE RADIATION FOR PROCESSING OF  
 CHARACTERISATION OF PIEZOELECTRIC THIN FILM ACTUATORS  
 CHARACTERISATION OF SOLUTION DERIVED RuO<sub>2</sub> ELECTRODES  
 CHARACTERISTICS OF PIEZOELECTRIC CERAMIC FILM WITH  
 CHARACTERISTICS OF SOL-GEL DERIVED PZT THIN FILMS WITH  
 CRYSTALLISATION BEHAVIOUR AND PHASE COEXISTENCE AT  
 CYCLIC DAMAGE IN LEAD ZIRCONATE TITANATE  
 DENSE PZT/PbTiO<sub>3</sub> CERAMIC COMPOSITE PREPARED BY O<sub>2</sub>  
 DEVELOPMENT OF PIEZOELECTRIC THIN FILM ACTUATOR  
 DIELECTRIC CONSTANT, THERMAL EXPANSION AND NEUTRON  
 DIELECTRIC NON-LINEARITY IN HARD PIEZOELECTRIC  
 DIELECTRIC THIN FILM DEVICE WITH LEAD ERBIUM ZIRCONATE  
 EFFECT OF EXCESS LITHIUM ON THE MAIN PIEZOELECTRIC  
 EFFECT OF INTERNAL STRESS ON THE STRENGTH OF PZT  
 EFFECT OF RARE EARTH IONS ON THE STRUCTURAL PARAMETERS  
 EFFECT OF THE ELECTRIC FIELD ON DOMAIN STRUCTURE OF  
 EFFECTS OF EXCESS PbO AND BALL-MILLING ON THE  
 EFFECTS OF LANTHANUM MODIFICATION ON RHOBOHEDRAL

ELECTRICAL AND ELECTROMECHANICAL PROPERTIES OF  
 ELECTRICAL FERROELECTRIC-LIKE PROPERTIES OF AMORPHOUS  
 ELECTRON PARAMAGNETIC RESONANCE INVESTIGATION OF  
 ELECTRON STRUCTURE FOR FERROELECTRIC CAPACITORS FOR  
 ELECTRONIC DEVICE USING ZIRCONATE TITANATE AND BARIUM  
 ELECTROPHYSICAL PROPERTIES OF Pb<sub>1-x</sub>(Ti<sub>1-x</sub>Zr<sub>x</sub>)O<sub>3</sub>-x-TYPE  
 FABRICATION AND ELECTRICAL PROPERTIES OF LEAD  
 FERROELASTIC PROPERTIES OF LEAD ZIRCONATE TITANATE  
 FERROELECTRIC BASED CAPACITOR FOR USE IN MEMORY  
 FERROELECTRIC DOMAINS AND DOMAIN WALL STRUCTURE IN PZT  
 FERROELECTRIC THIN FILMS FOR MEMORY APPLICATIONS  
 FERROELECTRIC THIN FILMS IN MICROELECTROMECHANICAL  
 FORMATION REACTIONS AND CRYSTAL STRUCTURE OF THE  
 FRACTURE AND GROWTH OF INDENTATION CRACKS IN POLED AND  
 GRAIN SIZE, DIELECTRIC PROPERTIES AND IMPEDANCE  
 GROWTH OF HIGHLY c-AXIS-ORIENTED Pb(Zr<sub>0.5</sub>Sn<sub>0.5</sub>)<sub>0.7</sub>O<sub>3</sub>  
 GROWTH OF INDENTATION CRACKS IN POLED AND UNPOLED PZT  
 HEAT GENERATION IN MULTILAYER PIEZOELECTRIC ACTUATORS  
 HIGH-PERFORMANCE PZT CERAMICS FROM HYDROTHERMALLY  
 INFLUENCE OF EFFECTIVE PIEZOELECTRIC PROPERTIES ON  
 INFLUENCE OF ELECTRIC POLING ON FRACTURE TOUGHNESS OF  
 INFLUENCE OF Fe-W DOPING IONS ON THE MANUFACTURING AND  
 INFLUENCE OF THE POLING STATE OF DOPANTS ON THE  
 INFLUENCE OF THE POLING FIELD ON THE ELECTROMECHANICAL  
 INFLUENCE OF THE SUBSTITUTIONAL SITE OF Co<sub>2+</sub> ON  
 INTEGRATION OF HIGH VALUE CAPACITOR WITH FERROELECTRIC  
 INVESTIGATION OF THE DRYING TEMPERATURE DEPENDENCE OF  
 KINETIC ASPECTS OF THE FORMATION OF LEAD ZIRCONIUM  
 LEAD ZIRCONATE TITANATE DOPED WITH MAGNESIUM OXIDE  
 LEAKAGE CURRENT MECHANISM OF PZT THIN FILMS DEPOSITED  
 MICROCHANNEL AND MICROACTUATOR  
 MICROSTRUCTURAL DEVELOPMENT IN SOL-GEL DERIVED LEAD  
 MICROSTRUCTURE AND 90 DEGREE DOMAIN ASSEMBLAGES OF  
 MILLIMETRE-SIZED HOLLOW SPHERES OF LEAD ZIRCONATE  
 MODIFICATION AND PYROELECTRICITY OF Pb(Zr<sub>0.5</sub>Ti<sub>0.5</sub>)O<sub>3</sub>-BASED  
 MOULDED ARTICLE BASED ON PZT (Pb(Zr<sub>0.5</sub>Ti<sub>0.5</sub>)O<sub>3</sub>) LEAD

NEW DIELECTRIC CERAMIC BASED ON Pb(Ti<sub>0.5</sub>Zr<sub>0.5</sub>)O<sub>3</sub>  
 OBJECTIVE DETERMINATION OF THE COMPOSITIONAL  
 OPTICAL AND MICROSTRUCTURAL CHARACTERISATION OF  
 PIEZOELECTRIC AND MECHANICAL PROPERTIES OF  
 PIEZOELECTRIC COMPOSITES WITH ENCLOSED HOLLOW SPACES  
 PIEZOELECTRIC LEAD ZIRCONIUM TITANATE DEVICE AND  
 PIEZOELECTRIC PORCELAIN  
 POWDERLESS PROCESSING OF CERAMIC FIBRES  
 PREPARATION AND FERROELECTRIC BEHAVIOUR OF PZT-FIBRES  
 PREPARATION OF FERROELECTRIC PZT THIN FILM BY SOL-GEL

PREPARATION OF LEAD ZIRCONATE TITANATE THIN FILMS BY  
 PREPARATION OF Mn-MODIFIED TRIGONAL PZT CERAMICS AND  
 PREPARATION OF Pb(Zr<sub>0.5</sub>Sn<sub>0.5</sub>)<sub>0.4</sub>O<sub>3</sub> THIN FILMS  
 PROCESSING AND CHARACTERISATION OF Pb(Zr<sub>0.5</sub>Ti<sub>0.5</sub>)O<sub>3</sub> FILMS  
 PROPERTIES OF POROUS PIEZOELECTRIC CERAMICS  
 PYROELECTRIC RESPONSE OF Nb-DOPED PZT CERAMICS NEAR  
 PZT FILM SENSOR/ACTUATOR FOR AFM CANTILEVER  
 PZT PHASE FORMATION MONITORED BY HIGH TEMPERATURE  
 PZT THIN FILMS FOR FERROELECTRIC CAPACITOR AND METHOD  
 PZT-BASED SUSPENSIONS FOR TAPE CASTING  
 REACTIVE PZT PRECURSOR POWDER BY COPRECIPITATION  
 SEMICONDUCTOR NONVOLATILE MEMORY CELL  
 SINTERING OF PZT CERAMICS FROM HYDROTHERMALLY  
 SOL-GEL SYNTHESIS AND SINTERING OF PZT BASED POWDERS

76-03358A

76-07879A

76-00191A

76-05640A

76-07898A

76-05482P

76-03122P

76-05644A

76-07899A

76-00913A

76-03404A

76-00923A

76-07918A

76-07922A

76-03395A

76-03404A

76-00941A

76-00950A

76-05186A

76-00951A

76-05711P

76-06053A

76-03429A

76-03770A

76-07874A

76-03988A

76-02022C

76-00992A

76-00995A

76-00976A

76-05639C

76-03424A

76-05482P

76-00682C

76-05711P

76-04684P

76-01150A

76-01151A

76-07873C

76-03127A

76-05638A

76-03359A

76-03360A

76-00887A

76-05640A

76-03045A

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- ISOMORPHIC SUBSTITUTION OF MAGNESIUM CATIONS BY KINETICS OF HYDRATION OF MAGNESIUM OXIDE IN AQUEOUS MACHINING REFRACTORY CERAMICS WITH ABRASIVE WATER JETS MAGNESIA COATING AND PROCESS FOR PRODUCING MAGNESIA-BASED BETA-ALUMINA SINTERED BODIES AND A MAGNESIA-TITANIA REFRACTORY AND METHOD FOR MAGNESIUM OXIDE CERAMICS PRODUCED BY SLIP CASTING METHOD AND APPARATUS FOR FABRICATING FERROELECTRIC METHOD AND APPARATUS FOR MIXING, SPRAYING, AND PLACING METHOD FOR MANUFACTURING TUNNEL JUNCTION TYPE METHOD FOR PRODUCING HIGH-TEMPERATURE SUPERCONDUCTING METHOD FOR PRODUCTION OF SPINEL SINGLE CRYSTAL METHOD OF FORMING A DIELECTRIC LAYER STRUCTURE METHOD OF MAKING A TRANSLUCENT POLYCRYSTALLINE ALUMINA MgO RAW MATERIAL IMPROVED THE HYDRATION RESISTANCE MICROSTRUCTURE OF MAGNESIA REFRACTORIES PREPARED FROM MICROWAVE JOINING OF ALUMINA TO MAGNESIA MONOLITHIC CERAMIC CAPACITORS PHASE TRANSFORMATION OF CALCIA-ALUMINA-MAGNESIA FIBRES POSSIBLE EXPLANATIONS OF TRANSIENT NECK FORMATION PROBLEMS RELATED TO DENSIFICATION BEHAVIOUR AND PROCESS FOR PRODUCING PHOSPHOMAGNESIA CEMENTS HAVING PROPERTIES OF MAGNESIA REFRACTORIES PREPARED FROM REFRACTORY CERAMIC MASS AND ITS USE
- REFRACTORY MAGNESIA - HOT TOPICS REVIEWED REFRACTORY MATERIALS FOR HIGH-TEMPERATURE RESOURCE-SAVING TECHNOLOGY FOR PRODUCING PERCLASE RESULTS OF TRANSMISSION ELECTRON MICROSCOPY SELECTIVE INSULATION ETCHING FOR FABRICATING SILICON NITRIDE-BASED SINTER SINTERED MgO CLOAKER CONTAINING A2O3 SINTERING OF MAGNESIUM OXIDE POWDER PREPARED BY STUDY OF THE OCCURRENCE OF MAGNESIUM OXIDE IN SYNTHESIS AND CHARACTERISATION OF VARIOUS MgO AND SYNTHESIS OF FIBRES OF MgO-NiO, MgO-CoO (and NiO) TRANSLUCENT POLYCRYSTALLINE ALUMINA TRANSLUCENT POLYCRYSTALLINE ALUMINA AND METHOD OF UNSHAPE BASIC REFRACTORIES FOR STEEL MELTING ELECTRIC USE OF A REFRACTORY CERAMIC BRICK FOR LINING CEMENT
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- LOW-LOSS, HIGH-SPEED, HIGH-TC SUPERCONDUCTING BEARINGS
- MAGNETIC CERAMICS
- ARTICLE COMPRISING EXCHANGE-COUPLED MAGNETIC MATERIALS COMPOSITE OF HIGH-TEMPERATURE SUPERCONDUCTIVE BULK EFFECT OF THE MAGNETISATION PROCESSES ON MAGNETIC GLASS-ADDED STRONTIUM FERRITE OF HIGH COERCIVITY INTEGRATED CIRCUIT PACKAGING MAGNETIC FUEL CONDITIONING DEVICE MAGNETIC HEAD MAGNETIC IRON OXIDE-SILICA NANOCOMPOSITES. SYNTHESIS MAGNETIC RECORDING HEAD MATERIALS MATERIALS FOR MAGNETIC TAPE MEDIA MATERIALS ISSUES IN MAGNETIC-DISC PERFORMANCE METHOD FOR MANUFACTURING A CRYSTALLIZED GLASS MAGNETIC METHOD OF MAKING A SOLID MAGNETIC MATERIAL FROM Sm<sub>2</sub> METHOD OF PRODUCING FERRITE MAGNET POWDERLESS PROCESSING OF CERAMIC FIBRES PRODUCTION AND CHARACTERISATION OF STRONTIUM FERRITE SUPERCONDUCTING FAULT CURRENT LIMITER TWO-AXIS MAGNETIC SENSOR USING A PIEZOELECTRIC SUPPORT US SOFT MAGNET MARKET TO GROW AT 6%/YEAR
- MAGNETIC FIELD
- BISMUTH-SUBSTITUTED RARE EARTH IRON GARNET SINGLE COMPLEX SUPERCONDUCTING QUANTUM INTERFERENCE DEVICE CONTROLLED LEVITATION/SUSPENSION IN A CRITICAL AND IRREVERSIBILITY FIELDS OF GRANULAR ENHANCEMENT OF THE FISHTAIL EFFECT IN THE GENERATOR MOTOR FOR VEHICLES GPS NAVIGATION AND DIFFERENTIAL-CORRECTION BEACON INDUCED CURRENTS IN Bi-(2223) SUPERCONDUCTING TAPES IN INFLUENCE OF THE MAGNETIC FIELD ON THE ELECTROMAGNETIC MAGNETICALLY SHIELDED MAGNETIC SENSOR WITH SOUND AND MAGNETIC-OPTICAL RECORDING APPARATUS INCLUDING A METHOD AND APPARATUS FOR PREPARING A SILICON OXIDE METHOD AND APPARATUS FOR REDUCING THE INTENSITY OF METHOD FOR OBTAINING LARGE LEVITATION PRESSURE IN METHOD FOR PRODUCING DIAMOND BY A DC PLASMA JET METHOD OF GENERATING AN AQUEOUS SUSPENSION OF METHOD OF PREPARING BISMUTH OXIDE SUPERCONDUCTING WIRE OPTIMIZATION OF SUPERCONDUCTING TILING PATTERN FOR PHOTOLUMINESCENCE, REFLECTANCE, AND PROCESS FOR THE PRODUCTION OF ANISOTROPIC FERRITE QUANTUM INTERFERENCE OF ELECTRONS TRANSMITTED SUPERCONDUCTIVE DEVICE FOR HELPING SHIELD MAGNETIC SUPERCONDUCTIVE MAGNET SYSTEM WITH LOW AND HIGH
- MAGNETIC FIELDS
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- MAGNETIC PROPERTIES
- ASPECTS OF SYNTHESIS, STRUCTURE AND MAGNETISM OF CATALYTIC EFFECTS OF Ag<sub>2</sub>O ADDITIVES ON MICROSTRUCTURE CERAMIC FILTER WITH CHANNELLED FEATURES TO CONTROL CHARACTERISATION AND LOW-TEMPERATURE SINTERING OF CHARACTERISATION AND PREPARATION OF GLASS-CERAMICS IN CHARACTERISATION AND THERMAL AND ELECTROMAGNETIC DEPOSITION OF POLYCRYSTALLINE BaFe<sub>12</sub>O<sub>19</sub> THIN FILMS BY EFFECT OF ISOVALENT AND HETEROVALENT SUBSTITUTED IONS EFFECT OF MAGNETIC ORDER ON ELECTRICAL PROPERTIES OF EFFECT OF THE MAGNETISATION PROCESSES ON MAGNETIC EFFECT OF Ti<sub>4+</sub> IONS ON SOME MAGNETIC PROPERTIES OF EFFECTS OF ADDITION OF Na<sub>2</sub>O, Sb<sub>2</sub>O<sub>3</sub>, CaO, AND ZrO<sub>2</sub> ON ELECTRICAL AND MICROSTRUCTURAL CHARACTERISATION OF ENCAPSULATION OF THE FERRITIN PROTEIN IN SOL-GEL EPITAXIAL GROWTH AND MAGNETIC BEHAVIOUR OF NiFe<sub>2</sub>O<sub>4</sub> EVIDENCE OF NEW LAYERED COPPERATES IN THE Hg-A-Gd-Cu-O FERRIMAGNETIC CORE MATERIALS FOR MEGAHERTZ FREQUENCY FERROMAGNETIC BIOGLASS-CERAMICS FIELD DEPENDENCE AND RELAXATION OF REMANENT GADOLINIUM FERROMAGNETIC MESOPARTICLES FROM GELS GLASS-ADDED STRONTIUM FERRITE OF HIGH COERCIVITY GROWTH MECHANISM AND ANOMALOUS MAGNETISATION PEAK HEAT TREATMENT OF STRONTIUM HEXAFERRITE POWDER IN HIGH PRESSURE SYNTHESIS OF HgBa<sub>2</sub>Cd<sub>2</sub>Sr<sub>2</sub> WITHOUT A HYDROTHERMAL CONVERSION OF AMORPHOUS NiFe<sub>2</sub>-xAl<sub>x</sub>(OH)<sub>3</sub> INFLUENCE OF IRON OXIDE REACTIVITY ON MICROSTRUCTURE INFLUENCE OF THE STRUCTURE ON THE ELECTRICAL AND INVESTIGATION OF THE MAGNETIC SUSCEPTIBILITY OF MgO-C INVESTIGATIONS ON THE CHARGE TRANSPORT IN LaMnO<sub>3</sub>-DELTA MAGNESIA COATING AND PROCESS FOR PRODUCING MAGNETIC AND ELECTRICAL PROPERTIES OF METAL/FERRITE MAGNETIC PARTICLES FOR MAGNETIC RECORDING MEDIUM AND MAGNETIC PROPERTIES OF Co<sub>2</sub>Z FOR ULTRA HIGH FREQUENCY MAGNETIC PROPERTIES OF NICKEL-STRONTIUM-BORATE OXIDE MAGNETIC PROPERTIES OF Ni-Zn FERRITES DOPED WITH Ti<sub>4+</sub> MAGNETIC PROPERTIES OF Sr<sub>0.75</sub>Ba<sub>0.25</sub>Fe<sub>12</sub>O<sub>19</sub> HEXAFERRITE MAGNETIC RECORDING MEDIA HAVING A MAGNETIC LAYER MAGNETIC RECORDING MEDIUM CONTAINING MAGNETIC POWDER MAGNETIC RECORDING POWDER HAVING LOW CURIE TEMPERATURE MAGNETIC RESONANCE STUDIES OF GaN-BASED SINGLE QUANTUM



- MAGNETIC VORTEX STATE OF ALIGNED (Bi,Pb)2Sr2Ca2Cu3O<sub>x</sub> 76-03558C  
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 MATERIALS FOR MAGNETIC TAPE MEDIA 76-01024A  
 MATERIALS ISSUES IN MAGNETIC-DISC PERFORMANCE 76-01025A  
 METHOD FOR ESTABLISHING A TARGET MAGNETIC PERMEABILITY 76-08018P  
 METHOD FOR OBTAINING LARGE LEVITATION PRESSURE IN 76-01113P  
 MICROSTRUCTURE, GRAIN ORIENTATION, AND TRAPPED FIELD 76-03565A  
 NEW MODEL FOR THE FORMATION OF HIGH-T<sub>c</sub> PHASE IN 76-03573A  
 NONDESTRUCTIVE MAGNETO-OPTICAL IMAGING ANALYSIS OF 76-03575A  
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 PREPARATION OF DELTA-FeOOH BY COPRECIPITATION METHOD 76-08007A  
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76-09168A
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- 76-06448A  
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76-09228A  
76-0428A  
76-00442C  
76-02704A  
76-02734C  
76-01752A  
76-06840A  
76-00100C  
76-00250A  
76-06822A  
76-04698A

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## MEASUREMENT

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76-03003A  
76-08287C  
76-04581P  
76-08288A  
76-05931A  
76-02440A  
76-03637P  
76-05785P  
76-03876P  
76-01369A  
76-04614P  
76-05951P  
76-00711C  
76-08293C  
76-05933C  
76-01254A  
76-01029C  
76-03855A  
76-05936A  
76-05478C  
76-07690C  
76-01891C  
76-03859C  
76-01374C  
76-08349P  
76-08349P  
76-01376A  
76-00134A  
76-08845A  
76-06312A  
76-08892A  
76-08298A  
76-01378C  
76-03863A  
76-06865A  
76-04769A  
76-01380C  
76-03867A  
76-04934A  
76-08636P  
76-03868A  
76-01382P  
76-08856A  
76-05810P  
76-07177C  
76-03797A  
76-07725C  
76-03163C  
76-01152C  
76-01726A  
76-01154A  
76-01176C  
76-02262A  
76-01193C  
76-01742A  
76-01202C  
76-01827C  
76-09092A  
76-02275C  
76-01221C  
76-01946A  
76-01948A  
76-02281A  
76-01766C  
76-01993C  
76-01780C  
76-01173C  
76-01287C  
76-02026C  
76-01656A  
76-02034C  
76-05045C  
76-06575P  
76-08471A  
76-06001A  
76-01212A  
76-05195A  
76-08914C  
76-04333A  
76-00135A  
76-01299C  
76-03789A  
76-08026A  
76-00075A  
76-03825A  
76-05921A  
76-06210A  
76-00077A  
76-03668C  
76-03669A  
76-00078A  
76-05818C  
76-05152P  
76-08211C  
76-00008P  
76-00379C  
76-06374A  
76-05041A  
76-08875C  
76-00080C  
76-06317A  
76-08448A  
76-08449A  
76-08450A  
76-04740C  
76-08451A  
76-08824A  
76-02241A  
76-02698C  
76-08452A  
76-00876A  
76-01905C  
76-02804C  
76-01159C  
76-02809C  
76-04226C  
76-05821C  
76-04741C  
76-00238A  
76-02409C  
76-04742A  
76-08645C  
76-02698C  
76-02699C  
76-02700C  
76-05242A  
76-02242A  
76-04066B  
76-02701C  
76-03828C  
76-01163C  
76-07434C  
76-04071A  
76-08646A  
76-09209A  
76-02976C  
76-02246A  
76-06379C  
76-06380A  
76-06381C  
76-03039C  
76-03657C  
76-01167C  
76-04206P  
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76-03829C  
76-02814C  
76-01909C  
76-09210A  
76-06384C  
76-01580C  
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76-07408A  
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76-04075A  
76-02246A  
76-02246A  
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76-08007A  
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76-02708C  
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76-00087A  
76-05925A  
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76-08811A  
76-04237C  
76-02251A  
76-01788A  
76-08267C  
76-04422A  
76-06992A  
76-08365A  
76-01589A  
76-08357A  
76-02252A  
76-04083A  
76-08462C  
76-04748A  
76-08366A  
76-06828A  
76-02254A  
76-04084A  
76-08463A  
76-04749A  
76-04750C  
76-02709C  
76-02255A  
76-08464A  
76-04240A  
76-03935C  
76-04751C  
76-08465A  
76-04751C  
76-02256A  
76-04752C  
76-08655A  
76-09216C  
76-08829A  
76-02257A  
76-03836C

- 5.89



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MULTILEVEL CERAMIC COMPOSITE OF TiB<sub>2</sub>-Ti<sub>0.9</sub>W<sub>0.1</sub>C-SiC  
NANOSIZED SiC PARTICULATES DISPERSED SIALON CERAMICS  
NATURAL AGEING BEHAVIOUR OF CAST ALUMINA  
NEUTRON DIFFRACTION OBSERVATIONS OF FERROELASTIC  
NEW APPROACH FOR RESISTIVITY DEFORMATION MECHANISMS  
NEW APPROACH FOR THE YOUNG'S MODULUS-POROSITY  
NEW BINDER SYSTEM FOR CERAMIC INJECTION MOULDING  
NEW CONCEPT IN COST-EFFECTIVE MACHINING  
NEW HIGH THERMAL CONDUCTIVITY CERAMICS  
NEW MATERIALS HARDER THAN DIAMOND - CARBON NITRIDE  
NEW METHOD FOR HARDNESS DETERMINATION FROM DEPTH  
NEW METHOD FOR JOINING SiC/SiC COMPOSITES  
NEW METHOD OF FRACTURE TOUGHNESS DETERMINATION IN  
NEW PROCESSING TECHNIQUE FOR HYDROXYAPATITE CERAMICS  
NEW SUBCRITICAL DAMAGE  
NEW WAYS OF IMPROVING THE THERMAL SHOCK BEHAVIOUR OF  
NEW Y-TZP POWDERS FOR MEDICAL GRADE ZIRCONIA  
NON-DESTRUCTIVE INSPECTION OF THE INTERFACE BY X-RAY  
NON-DESTRUCTIVE TESTING OF REFRACTORIES  
NEW APPROACH FOR ANALYSIS AND ANALYSIS OF MASONRY  
NOVEL ORGANOSILOXAN PRECURSORS FOR Si-C CERAMICS AND  
NOVEL SOL-GEL ROUTE TO PREPARE 50% PSZ-50% AI<sub>2</sub>O<sub>3</sub>  
NOVEL SYNTHESIS AND CHARACTERISATION OF SILICON  
NUMERICAL ANALYSIS OF THE EFFECTS OF REINFORCEMENT  
NUMERICAL SIMULATION OF NON-LINEAR STRESS-STRAIN  
OBTAINMENT AND MAJOR CHARACTERISTICS OF SOME MULLITE  
ON BRITTLE-TO-DUCTILE TRANSITION IN COVALENT  
ON A PNEUMATICALLY CONTROLLED TENSION/COMPRESSION  
ON THE BRITTLE-TO-DUCTILE TRANSITION OF Y-PSZ SINGLE  
ON THE CREEP BEHAVIOUR OF SiC-Ni<sub>3</sub>Al COMPOSITES  
ON THE EXTENSION OF THE ALPHA-SIALON SOLID SOLUTION  
ON THE PERFORMANCE OF A CrN COATED SIC WHISKERS  
ON THE ROLE OF INTERFACE STRUCTURE AND COMPOSITION IN  
ON THE TENSILE RELAXATION OF MASONRY  
ON THE TRIABILITY OF STRONGER TIGHTNESS RATIO IN  
OPTICAL AND MECHANICAL PROPERTIES OF TRANSPARENT  
OPTIMISATION OF CHEMICAL REACTIONS BETWEEN  
OPTIMISATION OF DISPERSION OF NANOSIZE SiC PARTICLES  
OPTIMISATION OF A DUCTILE-PARTICLE-TOUGHENED CERAMIC  
OPTIMISATION OF SUSPENSION CHARACTERISTICS FOR SHAPING  
OPTIMISATION OF THE GELUCING OF A SILICON NITRIDE  
OUTLOOK FOR SYNTHETIC RESIN-BONDED MAGNESIA-GRAPHITE  
OXIDATION BEHAVIOUR OF CARBON REINFORCED GLASS MATRIX  
OXIDATION BEHAVIOUR OF CARBON/ALUMINIUM AND  
OXIDATION-INDUCED TOUGHENING AND STRENGTHENING OF  
OXYGEN-FREE CERAMIC  
PARAMETERS CONTROLLING INDENTATION FRACTURE TOUGHNESS  
76-048034  
76-01785A  
76-06852A  
76-04266A  
76-02290A  
76-04804A  
76-02505A  
76-02506A  
76-00045C  
76-07381A  
76-03730J  
76-04377C  
76-06142C  
76-02291A  
76-09248C  
76-03854C  
76-06853A  
76-09249C  
76-06891A  
76-05062A  
76-03854C  
76-06854A  
76-02900A  
76-07013A  
76-04805A  
76-04139C  
76-02458C  
76-08532A  
76-06894A  
76-06245A  
76-06895A  
76-01060A  
76-04269A  
76-03990A  
76-06855A  
76-04806A  
76-04807C  
76-06896A  
76-00611C  
76-06895A  
76-08919C  
76-04714A  
76-00117A  
76-04808A  
76-04809A  
76-07011A  
76-02292A  
76-06247A  
76-06857A  
76-06897A  
76-02507A  
76-00404A  
76-06248A  
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76-06899C  
76-04807C  
76-05875A  
76-06462A  
76-08700A  
76-04271C  
76-06898A  
76-02293A  
76-04810A  
76-04811C  
76-04812C  
76-06898C  
76-04146C  
76-07016A  
76-06032  
76-02236A  
76-05160F  
76-06895C  
76-09251A  
76-06250A  
76-01249A  
76-08921A  
76-06251A  
76-06465A  
76-06468A  
76-00121A  
76-08543A  
76-06895C  
76-09252A  
76-05879A  
76-01250A  
76-08702C  
76-06895C  
76-08294A  
76-01253C  
76-09253A  
76-04470A  
76-06895C  
76-02291C  
76-06150A  
76-03857C  
76-03858C  
76-02291C  
76-06039C  
76-06039C  
76-06040C  
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76-02291C  
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76-09256A  
76-05936A  
76-02296A  
76-04815C  
76-06253A  
76-02509C  
76-04816C  
76-02258C  
76-02298A  
76-04144C  
76-07018A  
76-01974C  
76-04715A  
76-04334A  
76-04274C  
76-02917C  
76-09200A  
76-05065A  
76-09203A  
76-06039C  
76-02518A  
PARAMETERS INFLUENCING THE MECHANICAL RESISTANCE OF  
PARTIAL TRANSIENT LIQUID PHASE BONDING OF ALUMINA  
PARTIAL TRANSIENT LIQUID PHASE BONDING OF Si-BASED  
PDC CUTTER  
PERFORMANCE OF CERAMIC CUTTING TOOLS IN TURNING  
PERFORMANCE OF STABILIZED SOIL BLOCK MASONRY UNDER  
PERFORMANCE OF VENEZUELAN ALUMINA AS MATRIX MATERIAL  
PERFORMANCE OF ZINC ALLOY BASED METAL MATRIX  
PHASE TRANSFORMATION EFFECT ON AI<sub>2</sub>O<sub>3</sub>-ZrO<sub>2</sub>(Y<sub>2</sub>O<sub>3</sub>)-TiN  
PHASE TRANSFORMATIONS IN STABILIZED ZrO<sub>2</sub>-AI<sub>2</sub>O<sub>3</sub>  
PISTONS FORMED IN THE CRANK IN THE CRANK  
PHYSICAL PROPERTIES OF GLASS-CERAMICS DEVELOPED FROM  
PHYSCOMECHANICAL CHARACTERISTICS OF SUPERHAD  
PHYSCOMECHANICAL PROPERTIES OF SIBIFORM, A POROUS  
PIEZOELECTRIC AND MECHANICAL PROPERTIES OF  
PIEZOELECTRIC CERAMIC MATERIALS  
PISTON MATERIALS - AN OVERVIEW  
PLASMA CERAMICS - PROPERTIES AND APPLICATIONS  
PLASMA ENHANCED CHEMICAL VAPOUR DEPOSITION OF  
PLASMA ENHANCED MICROWAVE JOINING  
PLASTICITY OF NANOCRYSTALLINE ZIRCONIA CERAMICS AND  
POLYESTER-TO-GLASS TRANSITION OF SATURATED, ALUMINA  
POLY-LAYERS COATING ON METAL IMPLANTS  
POLYMER-SILICA HYBRID MATERIALS PREPARED FROM SOME  
POST-INDENTATION SUBCRITICAL (SLOW) CRACK GROWTH IN  
POWDER PREPARATION AND PROPERTIES OF N<sub>2</sub>O<sub>2</sub>S AND Ta<sub>2</sub>O<sub>5</sub>  
PRELIMINARY EXPERIMENTAL RESULTS OF DYSPROSIUM  
PRACTICAL EXPERIENCES WITH SOME PRINCIPLES PERTINENT  
PREDICTING HERT

- SCANNING FORCE MICROSCOPY STUDY OF CERAMIC FIBRES FOR S-CURVE BEHAVIOUR AND TEMPERATURE INCREASE OF CERAMIC SELECTING SEAL MATERIALS  
SELF-REINFORCED LITHIUM ZIRCONIUM PHOSPHATE CERAMICS  
SELF-SUPPORTING ALUMINIUM TITANATE COMPOSITES AND SHAPING OF MULTILAYER CERAMIC MEMBRANES BY DIP COATING  
SHEAR DAMAGE MECHANISMS IN A WOVEN, NICALON-REINFORCED SHEAR INDUCED TRANSFORMATION IN ENSTATITE  
SHORT-CRACK TOUGHNESS AND ABRASIVE MACHINING OF SHOTCRETING OF ULTRA-LOW CEMENT CASTABLE REFRACTORIES  
SHS EXTRUSION OF LONG SIZED ARTICLES FROM Si3N4-TiN COMPOSITES  
SILICON COMPOSITES CONTAINING RARE-EARTH MELLITE AND SiC AND Si3N4-MATRIX COMPOSITES ACCORDING TO THE SiC NANOPARTICLE-REINFORCED Al2O3 MATRIX COMPOSITES: SiC PARTICLE REINFORCED OXYNITRIDE GLASS: PROCESSING  
SiC PLATELET ORIENTATION IN A LIQUID-PHASE-SINTERED SiC PLATELET REINFORCED Al2O3 COMPOSITES BY FREE SiC-BASED FIBRES WITH LOW FREE CARBON CONTENT  
SiC-FIBRES FROM MODIFIED POLYORGANOSILANES: SiC-TiC AND SiC-TiB2 COMPOSITES DENSIFIED BY SILICON CARBIDE PARTICLE SIZE EFFECTS IN ALUMINA-BASED SILICON NITRIDE BONDED SILICON CARBIDE REFRACTORIES  
SILICON NITRIDE FIBRE SYNTHESIS FROM POLYCARBOSILANE  
SILICON NITRIDE FIBRES SYNTHESIZED BY A GAS-PHASE SILICON NITRIDE MATERIALS AND COMPONENTS FOR SILICON NITRIDE-SILICON CARBIDE COMPOSITES FROM SILIMANTITE GASEOUS-PHASE PORCELAINS, Pt.1  
SIMPLE BENDING TEST FOR THE DETERMINATION OF MASONRY  
SIMPLE METHOD FOR THE PREPARATION OF PLASMA-SPRAYABLE SINTERED STEELS WITH INERT HARD PHASE PRODUCED BY SINTERING AND CREEP BEHAVIOUR OF SiO2/Si3N4 COMPOSITES  
SINTERING AND MECHANICAL PROPERTIES OF SiC/Si3N4 COMPOSITES  
SINTERING AND MICROSTRUCTURE OF Al2O3 WITH A COATING  
SINTERING BEHAVIOUR, MICROSTRUCTURE AND MECHANICAL SINTERING BEHAVIOUR, MICROSTRUCTURE AND PROPERTIES OF SINTERING, MICROSTRUCTURE AND MECHANICAL PROPERTIES OF SINTERING OF MANGANESE OXIDE PARTICLES REINFORCED BY SINTERING OF MULLITE BASED PARTICULATE COMPOSITES  
SINTERING OF MULLITE PREPARED THROUGH TWO ROUTES  
SINTERING OF NATURAL ANHYDRITE-GLASS COMPOSITE  
SINTERING OF POROUS ALUMINA USING MnO AND TiO2  
Si-O-C GLASSES  
SILICA FIBRE REINFORCED SOIL BLOCK MASONRY  
SILICA CERAMICS AND THEIR PROPERTIES  
SIZE EFFECT ASPECTS OF MEASUREMENT OF FRACTURE  
SIZE EFFECT OF SiC PARTICLE ON THE MECHANICAL  
SIZE EFFECT OF STRENGTHENING PARTICLES IN CERAMIC  
SIZE-EFFECT ON THE FRACTURE TOUGHNESS AND THE R-CURVE  
SLIDING WEAR OF Al2O3/30661 Al COMPOSITE  
SLIDING WEAR OF Al2O3-SiC (Al,Si) COMPOSITES AGAINST A SLIDING WEAR OF CERAMICS  
SOL-GEL ALUMINA ABRASIVE WHEEL WITH IMPROVED CORNER  
SOLID-STATE-SINTERED SILICON CARBIDE BY WATER-BASED SOLUTION-PRECIPIATION PROCESS IN CREEP AND SONIC METHODS FOR FLAW DETECTION  
SPECIAL TECHNIQUE FOR DETERMINING THE BOND STRENGTH OF SQUEEZE-CASTING CONDITIONS OF Al2O3/SiC METAL MATRIX  
STABLE CRACK GROWTH IN SiC PARTICLE-DISPERSED Al2O3  
STATIC AND IMPACT SHEAR STRENGTH ESTIMATION OF A STATISTICAL ANALYSIS OF THE INFLUENCE OF PROCESSING STRAIN TOLERANT POROUS SILICON NITRIDE  
STRAIN UNDER AXIAL MODELLING AND CYCLIC LOADS IN CLAY  
STRENGTH AND CORROSION BEHAVIOUR OF A SiC PARTICULATE STRENGTH AND FRACTURE OF PARTIALLY STABILIZED ZIRCONIA  
STRENGTH AND FRACTURE TOUGHNESS OF HOT PRESSED STRENGTH AND STIFFNESS OF AUTOCLAVED AERATED CONCRETE  
STRENGTH AND TOUGHNESS OF ALUMINA-ZIRCONIA CERAMICS  
STRENGTH DEVELOPMENT, HYDRATION REACTION AND PORE STRENGTH DISTRIBUTION OF TITANIA CERAMICS AFTER STRENGTH, DUCTILITY AND SUPERPLASTICITY OF STRENGTH OF DUPLEX Al2O3-ZnAl2O4 COMPOSITE  
STRESS ANALYSIS OF CONTACT DEFORMATION IN STRESS ANALYSIS OF ELASTIC-PLASTIC CONTACT DAMAGE IN STRESS RUPTURE IN TENSION AND FLEXURE OF A STRESSES AND FAILURE IN THE DIAMETRAL COMPRESSION TEST STRUCTURAL AND MECHANICAL CHARACTERISATION OF SOME STRUCTURAL AND PHASE TRANSFORMATIONS AND PROPERTIES OF STRUCTURAL AND SUPERCONDUCTING PROPERTIES OF STRUCTURAL BEHAVIOUR OF A MORTARLESS INTERLOCKING STRUCTURAL INVESTIGATION OF THE PALAZZO FARNESE IN STRUCTURAL MODELLING OF POST-TENSIONED BRICKWORK STRUCTURAL PECULIARITIES OF CERMENTS DESIGN BASED ON STRUCTURAL PERFORMANCE OF THE VAULTED MASONRY ROOF OF STRUCTURAL PROPERTIES AND OPTIMUM MIX PROPORTIONS OF STRUCTURE AND MECHANICAL BEHAVIOUR OF CERAMIC FOAMS STRUCTURE AND PROPERTIES OF REFRACTORIES BASED ON STRUCTURE, COMPOSITION AND MECHANICAL BEHAVIOUR OF STRUCTURE, PROPERTY BEHAVIOUR OF ORGANIC-INORGANIC STUDIES OF THE MECHANICAL PROPERTIES OF STUDIES ON THE PROPERTIES OF HIGH PERFORMANCE AND HIGH STUDIES ON THE STRUCTURE AND PROPERTIES OF STUDY OF THE COMPACTION MECHANISM OF GRANULATED STUDY OF THE RESIDUAL STRESS FIELD AROUND VICKERS STUDY OF THE SUPERPLASTIC BEHAVIOUR OF VARIOUS Si3N4 STUDY OF "VBCO-CERAMIC METAL" COMPOSITE STUDY ON MINERALOGICAL AND PHYSICAL CHANGES IN USED STUDY ON REINFORCEMENT OF RUBBER-LIKE ORMOGELS STUDY ON TEST METHOD FOR STRENGTH OF CERAMIC SPRAY STUDY ON THE BEHAVIOUR OF A NON-EXPANSIVE STUDY ON THE Gd SUBSTITUTED LAS-CERAMICS USING METAL STUDY ON THE Si-SiC COMPOSITES FABRICATED BY STUDY ON VARIOUS TYPES OF ULTRAFINE POWDER USED IN SUBCRITICAL CRACK GROWTH AND THRESHOLDS IN A 3Y-TZP SUBCRITICAL CRACK GROWTH IN MnZn FERRITES SUBCRITICAL CRACK GROWTH IN SILICON CARBIDE SURFACE FINISH AND MECHANICAL PROPERTIES OF COMMERCIAL SURFACE LAYERS OF ZIRCONIA-CARBIDE COMPOSITES ON Y-TZP SURFACE MODIFICATION OF ALUMINA POWDER FOR LPM SURFACE TREATING METHOD FOR CERAMIC PARTICLES TO SYNERGISTIC STRENGTHENING AND TOUGHENING OF ZIRCON SYNTHESIS AND CHARACTERISATION OF A REMARKABLE SYNTHESIS AND PROCESSING OF ZnS/GaP NANOCOMPOSITES SYNTHESIS AND PROPERTIES OF Al2O3-SiC COMPOSITES FROM SYNTHESIS AND PROPERTIES OF FUNCTIONALLY-GRADIENT SYNTHESIS AND PROPERTIES OF IN SITU Si3N4-REINFORCED SYNTHESIS AND SINTERING OF MoSi2 BY SHS PROCESS SYNTHESIS OF A NANOPHASE, WHISKER-REINFORCED SYNTHESIS OF NANOSTRUCTURED MATERIALS BY MECHANICAL SYNTHESIS OF SiC-AIN CERAMIC ALLOYS FROM Si, C AND AIN SYNTHESIS OF SiC-SiC SUPPORTS CONSISTING OF SiC-SiC SYNTHESIS OF ZrO2-Al2O3 ULTRAFINE COMPOSITES AND
- 76-01530A  
76-04830C  
76-01781A  
76-04716A  
76-04716A  
76-09126P  
76-04494A  
76-09267A  
76-08164A  
76-04291A  
76-02939C  
76-03769A  
76-02003C  
76-02223A  
76-06513C  
76-09268A  
76-08949A  
76-04495A  
76-02004A  
76-06070C  
76-06071C  
76-06514A  
76-09136A  
76-02942A  
76-06073C  
76-04021C  
76-04293C  
76-08950C  
76-02004A  
76-03862C  
76-06166A  
76-00135A  
76-06519A  
76-04444C  
76-08581A  
76-07336A  
76-04497A  
76-04163A  
76-02399P  
76-08952C  
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76-02723A  
76-06169C  
76-02399P  
76-02774C  
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76-03865A  
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76-08729A  
76-02776C  
76-08963A  
76-08585C  
76-06272A  
76-02456C  
76-08586A  
76-08969P  
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76-09269A  
76-04833A  
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76-04836A  
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76-06077C  
76-08587A  
76-08963A  
76-02457C  
76-02778C  
76-02515A  
76-02516A  
76-02780C  
76-02459A  
76-04837C  
76-07346A  
76-06079C  
76-08731C  
76-06522C  
76-09271A  
76-06968A  
76-06314C  
76-03784A  
76-01652A  
76-08732C  
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76-04504C  
76-08300A  
76-05022A  
76-04029A  
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76-08589A  
76-08010C  
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76-04117A  
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- TAILORING OF MICROSTRUCTURE AND ROOM-TEMPERATURE TAILORING THE MICROSTRUCTURE AND PERFORMANCE OF TAPE CASTING OF ALUMINA IN WATER WITH AN ACRYLIC LATEX TAPE-CAST ALUMINA-ZIRCONIA LAMINATES: PROCESSING AND TECHNIQUES FOR THE MECHANICAL CHARACTERISATION OF TEMPERATURE DEPENDENCE OF IMPACT DAMAGE IN A Si3N4 TENSILE AND BENDING STRENGTH OF GLASS TENSILE AND CYCLIC FATIGUE BEHAVIOUR OF A TENSILE BEHAVIOUR OF A 20 WOVEN SiC COMPOSITE AT TENSILE BEHAVIOUR OF AN OXIDE DISPERSION STRENGTHENED TENSION-COMPRESSION CYCLIC FATIGUE OF TITANIUM TESTING OF SOFC MEMBRANES VIA A BIAXIAL STRENGTH AND TESTS OF SWEDISH MASONRY THEORETICAL MODEL OF THE STRUCTURAL BEHAVIOUR OF STONE THERMAL FATIGUE DAMAGE ACCUMULATION IN MoSi2 AND THERMAL FATIGUE LIFETIME PREDICTION FOR CERAMIC TOOL THERMAL HISTORY AND MECHANICAL BEHAVIOUR OF MgO-C THERMAL SHOCK BEHAVIOUR OF Al2O3-SiC COMPOSITES MADE THERMAL SHOCK BEHAVIOUR OF Si3N4-SiC COMPOSITES THERMAL SHOCK BEHAVIOUR OF TWO-DIMENSIONAL WOVEN THERMAL SHOCK BEHAVIOUR OF UNIDIRECTIONAL SILICON THERMAL SHOCK DAMAGE IN A TWO-DIMENSIONAL THERMAL SHOCK FRACTURE BEHAVIOUR AND FRACTURE ENERGY THERMAL SHOCK FRACTURE BEHAVIOUR OF SiC THERMAL SPALLING WEAR AND MECHANICAL BEHAVIOUR OF THERMAL STABILITY OF A PCS-DERIVED SiC FIBRE WITH A THERMAL STRESSES IN GLAZED SUBSTRATES THERMAL TREATMENT IN FRANCE: TECHNICAL AND ECONOMIC THERMAL TREATMENT IN ANALYSIS OF CONTACT DAMAGE IN CERAMICS THERMOMECHANICAL CHARACTERISATION OF BAC VACUUM PLASMA THERMOMECHANICAL PROPERTIES OF THERMOSTRUCTURAL COMPOSITES AND NUCLEAR FUSION THREE-DIMENSIONAL COMPUTER SIMULATION OF PORTLAND CEMENT CONCRETE ON MICROSTRUCTURE AND STRENGTH TIC-METAL NACROUS STRUCTURES AND THEIR FRACTURE TIME DEPENDENT DAMAGE OF RUBBLE MASONRY WALLS TIME, TEMPERATURE AND ATMOSPHERE EFFECTS ON FIRING TITANIUM DIBORIDE PARTICLE-REINFORCED ALUMINIUM WITH TITANIUM IMPLANTATION OF BACON NITRIDE FILMS AND JOINT TOTAL AQUEOUS PROCESSING OF CARBOTHERMALLY PRODUCED TOUGHENING ALUMINA WITH COPPER AND IRON INCLUSIONS TOUGHENING BEHAVIOURS OF Cr3C2 PARTICULATE-REINFORCED TOUGHENING MECHANISMS AND PROPERTIES OF MULLITE MATRIX TOUGHENING OF ALUMINA WITH IRON EFFECTS OF IRON TOUGHENING OF ALUMINA-HYDROXYAPATITE BIOCERAMIC TOUGHENING OF BORON CARBIDE CERAMICS BY ADDITION OF TOUGHENING OF CALCIUM HYDROXYAPATITE WITH SILVER TOUGHENING OF SOL-GEL DERIVED MULLITE BY Al2O3 TOUGHENING OF SOL-GEL DERIVED MULLITE BY SILVER REINFORCED TOUGHNESS DETERMINATION OF ZIRCONIA TOUGHENED ALUMINA TRANSFORMATION AND DENSIFICATION OF NANOCRYSTALLINE TRANSLUCENT LOW-THERMAL EXPANSION CERAMICS TRANSVERSE PROPERTIES OF A Ti-6Al-4V MATRIX/SiC TRIBOLOGICAL INVESTIGATIONS AND STRUCTURAL TRIBOLOGICAL PROPERTIES OF A SiC-RETAINING POROUS TWO-STEP METHOD TO OBTAIN SUPERPLASTIC SILICON NITRIDE ULTRASONIC AND DIELECTRIC CHARACTERISATION OF ULTRASONIC CHARACTERISATION OF INTERPHASAL PROPERTIES ULTRASONIC CHARACTERISATION OF ZIRCONIA-TOUGHENED ULTRASONIC MACHINING OF SILICON NITRIDE AND SYNTHETIC ULTRASONIC ROLL SEAM WELDING FOR THE PRODUCTION OF USE OF AIRCRETE BLOCKS IN SUSPENDED FLOORS USE OF ALUMINA-COATED SiC WHISKERS IN PREPARATION OF USE OF HYDROXYAPATITE INSULATION TO IMPROVE LINING USE OF PARAFIL AS A PRESTRESSING TENDON IN PRESTRESSED USE OF WHISKERS AND SIMILAR REINFORCEMENTS IN METAL VERTICAL FLEXURAL BENDING IN UNITS OF BED JOINT VINYLPHOSPHONIC ACID-MODIFIED CALCIUM ALUMINATE AND VITREOUS JOINING PROCESS OF SiC/SiC COMPOSITES WATER-BASED SYSTEM FOR CLUSTER INJECTION MOLDING WEAR BEHAVIOUR OF Al2O3-TiC COMPOSITE CERAMIC SLIDING WEAR BEHAVIOUR OF ALUMINA AND SILICON IN LINE CONTACT WEAR PROPERTIES OF NEW POROUS CARBON MATERIALS: WEAR-RESISTING PROPERTIES AND APPLICATION EXAMPLES OF WEAR MASTER CURVES, MASTER FIELDS AND WHICH RHEOLOGICAL PARAMETERS CONTROL THE ISOCOMAL WEAR STRESS OF ALUMINA-ZIRCONIA SUSPENSIONS YOUNG'S MODULUS, FLEXURAL STRENGTH, AND FRACTURE OF Y-TZP STABILIZED ZIRCONIA (Y-TZP) FOR BIOMEDICAL ZIRCONIA CERAMICS: HIP CERAMICS, KEY-INSIDE ZIRCONIA BASED ORGANIC PRECURSOR INFILTRATION AS A ZIRCONIA CRYSTALS WITH YTTRIUM AND CERIUM OXIDES ZIRCONIA: A NEW ROLLER BEARING MATERIAL? ZIRCONIA TOUGHENED ALUMINA WITH ORIENTED MECHANICAL ZIRCONIA-TITANIUM CARBIDE COMPOSITES ZIRCONIA-YTTRIA GRANULES SPRAY DRIED FROM WATER AND ZrO2 TOUGHENED NITROGEN GLASSES ZrO2-CoO2 ALLOYS AS CANDIDATE STRUCTURAL MATERIALS FOR MECHANICAL PROPERTIES FRACTURE BEHAVIOUR OF MULTILAYER SILICON NITRIDE/BORON GENERALISED PLANE STRAIN TECHNIQUE FOR ESTIMATING MECHANICAL PROPERTIES OF MoSi2/ZrO2 COMPOSITES AT ROOM PLASTIC FLOW-INDUCED FRACTURE THEORY FOR FATIGUE CRACK (SUPER) PLASTICITY OF NANOCRYSTALLINE ZIRCONIA
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76-08963A  
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76-08667A  
76-08302C  
76-00543C  
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76-01147A  
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76-02787C  
76-03024C  
76-02521A  
76-02787C  
76-04300A  
76-08607C  
76-08434A  
76-04844A  
76-01857A  
76-04721C  
76-08965A  
76-06870A  
76-02308C  
76-04192A  
76-08608A  
76-04190A  
76-04191A  
76-02522A  
76-01857A  
76-04301A  
76-04302A  
76-03299A  
76-07033A  
76-01313A  
76-08226A  
76-03795A  
76-02466C  
76-02029C  
76-03646C  
76-02789C  
76-02524A  
76-02790C  
76-05030A  
76-01310A  
76-08921A  
76-04192A  
76-02633A  
76-04355A  
76-09278A  
76-03197C  
76-04192A  
76-02035A  
76-01663A  
76-08613A  
76-01659C  
76-08969C  
76-02036C  
76-07106C  
76-08614A
- 76-01753A  
76-00101A  
76-02288A  
76-02299A  
76-02018C  
76-05998A  
76-04255A  
76-08613A  
76-06106A  
76-00081A  
76-00082A  
76-03967A  
76-04945P  
76-08454A  
76-04229A  
76-05125A  
76-04724A  
76-08967A  
76-04438A  
76-09285A  
76-02023A  
76-04192A  
76-06846A  
76-05111A  
76-06304A  
76-06143A  
76-04192A  
76-09180A

OVERVIEW OF THE ACTIVITIES IN THE FIELD OF PREPARATION AND CHARACTERISATION OF THERMALLY STABLE PREPARATION AND MECHANICAL PROPERTIES OF CALCIUM RELIABLE BIOMATERIALS: CERAMICS AND COATINGS BASED ON SYNTHESIS OF EXPERIMENTAL BIOMEDICAL GLASS CEMENT

MEISSNER EFFECT

PARAMAGNETIC MEISSNER EFFECT AND TIME REVERSAL NON-

MELAMINE BORATE

CRYSTAL STRUCTURE OF MELAMINE DIBORATE

MELILITE

MELILITE FORMATION IN A SAMARIUM-STABILISED OXYGEN-NITROGEN ORDERING IN YTTRIUM NITROGEN MELILITE RARE-EARTH MELILITE SOLID SOLUTION AND ITS PHASE STUDY ON THE STRUCTURES OF N-CONTAINING MELILITE

MELT

CHARACTERISTICS OF A CONTINUOUS Si-Ti-C-O FIBRE WITH COMPOSITE OF HIGH-TEMPERATURE SUPERCONDUCTIVE BULK

MELT INFILTRATION

CALCIA-ALUMINA FIBRE-REINFORCED Al 7075 ALLOY FABRICATION OF A203-AL COMPOSITES BY REACTIVE MELT FABRICATION OF PARTICULATE REINFORCED MAGNESIUM HIGH-TOUGHNESS B4C-AB12 COMPOSITES PREPARED BY AI IMPROVED PROPERTIES OF GAS TURBINE ENGINE COMPONENTS METHOD FOR MEASURING METAL INFILTRATION RATES IN PROCESSING OF AlN-B4C/Al COMPOSITES REACTION BONDING OF SiC USING ALLOYED SILICON SIMULATION OF LIQUID SILICON FLOW AND REACTION IN

MELT PROCESSING

A203 ADDITIONS FOR ISOTHERMAL MELT PROCESSING OF DEMONSTRATION OF Y2BaCuO5 PARTICLE SEGREGATION IN DENSE POLYCRYSTALLINE Ba2O3 SUBSTRATES FOR FORMATION MECHANISM OF THE DEFECTS AROUND Y2BaCuO5 FORMATION OF PORES AND Y2BaCuO5-FREE REGIONS DURING GROWTH MECHANISM AND MORPHOLOGY OF MELT-TEXTURED PROCESSES OF HTS MICROSTRUCTURAL INVESTIGATIONS ON MELT GROWN POLARISED LIGHT MICROSTRUCTURE ANALYSIS OF PREPARATION AND FERROELECTRIC BEHAVIOUR OF PZT-FIBRES PROCESS FOR THE PRODUCTION OF SALINE-SOLUBLE VITREOUS RELATION BETWEEN THE UNDERCOOLING AND THE GROWTH RATE RELATIONSHIP BETWEEN GROWTH RATE AND UNDERCOOLING IN REVIEW ON PARTICULATE-REINFORCED TITANIUM MATRIX STRUCTURAL AND SUPERCONDUCTING PROPERTIES OF SUPERCONDUCTING PROPERTIES OF Bi-2212 IN PARTIALLY USE OF LITHIUM AS A DOPANT IN THE DIRECTED MELT WASTE VITRIFICATION MELTER

MELT QUENCHING

SYNTHESIS OF MELT-QUENCHED Bi1.7V0.3Sr2Ca2Cu3O10-y

MELTING

APPARATUS FOR CONTINUOUSLY FORMING AND PROCESSING A APPARATUS FOR LOCALIZED SURFACE GLAZING OF CERAMIC (Bi,Pb)2Sr2Ca2CuOx PRECURSOR MATERIAL FOR THE OXIDE POWDER COLOURED BOROSILICATE GLASS COMPOSITE ULTRAFINE PARTICLES OF NITRIDES. METHOD FOR EFFECT OF OVERHEATING OF THE MELT AND HEAT TREATMENT HIGH-PERFORMANCE OXY-FUEL MELTING: THREE FLAT JET INFLUENCE OF ZrO2 ADDITION ON MELTING KINETICS OF IS YOUR GLASS FULL OF WATER? LASER REMELTING PROCESS FOR PLASMA-SPRAYED ZIRCONIA LOW-TEMPERATURE (T LOWER THAN 950 C) PREPARATION OF MELTING AND VAPORISATION OF THE 1223 PHASE IN THE METHOD FOR MANUFACTURING SUPERCONDUCTING CERAMICS IN A METHOD FOR MELTING GLASS IN AND A GLASS-MELTING METHOD OF CONVERTING ASBESTOS CEMENT INTO A HARMLESS METHOD OF MELTING CERAMIC SUPERCONDUCTIVE MATERIAL METHOD OF PRODUCING CAST MAGNETIC SOFT FERRITE OXIDE-BASED SUPERCONDUCTOR, A PROCESS FOR PREPARING PROCESS FOR PREPARING A HIGH-Tc SUPERCONDUCTOR AS A PROCESS FOR QUENCHING MOLTEN CERAMIC MATERIAL PRODUCTION OF MINERAL FIBRES SHAPED GLASS SHEET AND A PROCESS FOR THE PREPARATION STRUCTURAL CHANGE IN PLASMA-SPRAYED ALUMINA COATINGS SUPERCONDUCTOR AND METHOD OF MANUFACTURING THE SAME

MELTS

CONFIGURATIONAL HEAT CAPACITY AND ENTROPY OF EFFECT OF BASICITY ON REDOX EQUILIBRIA IN SODIUM METHOD OF RETAINING MELT OF OXIDE VISCOSITY, CRYSTALLINITY, ENTROPY, AND RELAXATION VISCOSITY MEASUREMENT IN HALIDE MELTS

MEMBRANES

CERAMIC GELS - POROUS NETWORK STRUCTURE AND CERAMIC MEMBRANES FOR ULTRA- AND MICROFILTRATION CERAMIC MEMBRANES HAVING MACROSCOPIC CHANNELS CERAMIC FORNITE MATERIAL AND METHOD OF MAKING SAME COMPARISON OF THE ELECTRICAL BEHAVIOUR OF TWO POROUS DENSE CERAMIC MEMBRANE OF YTTRIA-STABILISED DENSE CERAMIC MEMBRANES FOR CONVERTING METHANE TO DIFFUSION OF OXYGEN THROUGH YSZ IN THE PRESENCE OF EFFECT OF RAW MATERIAL POWDER ON THE PROPERTIES OF ELECTROCHEMICAL HYDROGEN TRANSPORT USING PROTON ELECTROCHEMICAL MEMBRANE RECOVERY OF HALIDES FROM ELECTROCHEMICAL PROPERTIES OF MIXED CONDUCTING ELECTROPOX GAS REFORMING ENHANCEMENT OF MECHANICAL PROPERTIES OF CERAMIC FABRICATION AND MICROSTRUCTURE OF TiO2-ZrO2 COMPOSITE FABRICATION OF La1-xSrxCoO3-DELTA THIN LAYERS ON FABRICATION OF TiO2-CeO2 COMPOSITE MEMBRANES WITH "FOULING" OF INORGANIC MEMBRANE IN MUF PROCESSING OF FUNCTIONAL PHOSPHATE ALKOXYLANES FOR FACILITATED GAS PERMEABILITY OF SILICATE MEMBRANES FORMED ON HAFNIA COLLOIDAL SOLUTION FROM HYDROTHERMAL SYNTHESIS ION SELECTIVE CERAMIC MEMBRANE MEASUREMENT OF THE IONIC CONDUCTIVITY AS A FUNCTION OF MEMBRANE DIELECTRIC ISOLATION IC FABRICATION

MEMBRANE DIELECTRIC ISOLATION TRANSISTOR FABRICATION MEMBRANE FOR LIQUID MIXTURE SEPARATION METHOD FOR FABRICATING ACTIVE DEVICES ON A THIN METHOD OF FORMING A CIRCUIT MEMBRANE WITH A MICROPOROUS MEMBRANES BASED ON CARBOHYDRATES OF PHENOL MICROPOROUS SiO2-VYCOR MEMBRANES FOR GAS SEPARATION NEW APPLICATIONS OF CERAMIC MEMBRANES IN CHEMICAL OXYGEN NON-STOICHIOMETRY AND OXYGEN DIFFUSIVITY OF OXYGEN PERMEABLE MIXED CONDUCTOR MEMBRANES OXYGEN PERMEATION IN ZrO2-CeO2-CeO2 FOR THE APPLICATION OXYGEN SEPARATION USING DENSE GADOLINIA DOPED CERIA OXYGEN TRANSPORT THROUGH DENSE PEROVSKITE-TYPE PERFORMANCE OF PIP Zn(V)-PAA MEMBRANES IN PERIODICALLY RESORBABLE MEMBRANE BASED ON CERAMICS: A PH GLASS ELECTRODE PHASE RELATED OXYGEN PERMEATION THROUGH Sr-DOPED PHYSICO-CHEMICAL BASIS OF THE SOL-GEL PROCESS GIVING PILOT PLANT SCALE PHOTODEGRADATION OF TRICHLOROETHENE

76-04918A  
76-06490A  
76-08931A  
76-03760A  
76-08276A  
76-07101A

76-03580A

76-06801A

76-06688A  
76-04273A  
76-01850A  
76-09188A

76-01913A  
76-01096P

76-06991A  
76-07000A  
76-05052A  
76-08904A  
76-04895A  
76-01144C  
76-00131C  
76-01994C  
76-05074A

76-05751A  
76-01053A  
76-03516A  
76-03539A  
76-03540A  
76-08042A  
76-01070A  
76-01071A  
76-03585A  
76-08398C  
76-04657P  
76-00114C  
76-03601A  
76-05073A  
76-08064A  
76-08067A  
76-00114C  
76-08338P

76-01088A

76-03905P  
76-04525P  
76-08076P  
76-05155P  
76-02064P  
76-00428A  
76-03889A  
76-02055A  
76-02651A  
76-02533P  
76-03635P  
76-05760A  
76-08084P  
76-01426P  
76-05040P  
76-08090P  
76-08020P  
76-01124P  
76-09114P  
76-04062P  
76-03821P  
76-03782A  
76-01134P

76-02594A  
76-04729A  
76-06690P  
76-08154C  
76-07177C

76-04072C  
76-03675A  
76-02057P  
76-08154C  
76-00674A  
76-08468C  
76-08469C  
76-09148C  
76-04438C  
76-08824C  
76-08487C  
76-09151C  
76-08154C  
76-06875P  
76-09174A  
76-01936A  
76-01938A  
76-04112C  
76-06427C  
76-01963A  
76-04117A  
76-06615P  
76-09156C  
76-03129P  
76-03320P  
76-03130P  
76-01699P  
76-05556P  
76-05501P  
76-01963A  
76-07207A  
76-08544C  
76-09159C  
76-08755P  
76-03239P  
76-09161C  
76-09162C  
76-04388C  
76-04146C  
76-03239P  
76-09163C  
76-08354A  
76-04149C

POLYCRYSTALLINE ANODIC ALUMINA - NEW CERAMIC MEMBRANES PORE-SIZE DETERMINATION IN THE SEPARATION LAYER OF A POROSITY IN COMPOSITE ZIRCON MEMBRANES PREPARATION AND ANALYSIS OF A SILICON CARBIDE PREPARATION AND CHARACTERISATION OF TiO2 MEMBRANES FOR PREPARATION AND GAS PERMEATION PROPERTIES OF PREPARATION AND TRANSPORT PROPERTIES OF CERAMIC PREPARATION OF ALUMINA MEMBRANES BY TAPE CASTING AND PREPARATION OF TUBULAR ALUMINA MEMBRANE WITH UNIFORM PREPARATIONS AND CHARACTERISATION OF MICROPOROUS PRESSURE SENSOR RECENT ADVANCES IN CERAMIC MEMBRANE PROCESSING SALT EFFECT AND POLYMER LEAK IN SELECTIVE SODIUM REMOVAL FROM RADIOACTIVE WASTE SHAPING OF MULTILAYER CERAMIC MEMBRANES BY DIP COATING SILICONE MEMBRANES WITH SILICA NANOPARTICLES SINGLE AND MULTIPLE GRAIN BOUNDARY DIFFUSION THROUGH SINTERING OF POROUS ALUMINA USING MnO AND TiO2 SOLID STATE ELECTROCHEMICAL OXYGEN COMPRESSOR STABLE HIGH CONDUCTIVITY FUNCTIONALLY GRADIENT STUDY ON FABRICATION OF A203-ZrO2 INORGANIC MEMBRANES SURFACE MODIFICATIONS OF DENSE SrCo0.8Fe0.2O3-DELTA SYNTHESIS AND APPLICATION OF NANOPARTICULATE SYNTHESIS OF ALUMINOSILICATE COMPOSITE MEMBRANES TAPE-CAST CERAMIC MEMBRANES FOR MICROFILTRATION TESTING OF SOFC MEMBRANES VIA A BIAXIAL STRENGTH AND THIN FILM LAYERED MEMBER THREE-DIMENSIONAL SEMICONDUCTOR CIRCUIT STRUCTURE WITH TiO2 POROUS MATERIALS OBTAINED FROM DIFFERENT UNSUPPORTED SiO2-BASED ORGANIC-INORGANIC MEMBRANES.

MEMORY

CMOS MEMORY CELL WITH TUNNELING DURING PROGRAM AND DRAM STACK CAPACITOR WITH LADDER STORAGE NODE FLASH EEPROM MEMORY CELL WITH POLYSILICON SOURCE/RAIN METHOD FOR FABRICATING A DUAL-GATE DIELECTRIC MODULE METHOD FOR FABRICATING A NONVOLATILE SEMICONDUCTOR METHOD FOR MANUFACTURING A SEMICONDUCTOR MEMORY DEVICE BY METHOD OF FORMING SEMICONDUCTOR MEMORY DEVICE BY METHOD OF MAKING A CMOS DYNAMIC RANDOM-ACCESS MEMORY METHOD OF MAKING SEMICONDUCTOR DEVICE WITH FLOATING METHOD OF MANUFACTURING NONVOLATILE SEMICONDUCTOR DEVICE BY MANUFACTURING A SEMICONDUCTOR DEVICE NONVOLATILE SEMICONDUCTOR MEMORY DEVICE AND ITS NONVOLATILE SEMICONDUCTOR MEMORY DEVICE WITH IMPROVED PACKING DENSITY FOR FLASH MEMORIES BY USING A PAD PROGRAMMABLE SEMICONDUCTOR MEMORY SEMICONDUCTOR DEVICE HAVING ISOLATING REGIONS SEMICONDUCTOR MEMORY AND SEMICONDUCTOR DEVICE HAVING SEMICONDUCTOR MEMORY DEVICE AND FABRICATION PROCESS SEMICONDUCTOR PROCESSING METHOD OF FORMING A STATIC SIGNAL SENSING CIRCUITS FOR MEMORY SYSTEM USING

MERCURY

ASSESSMENT OF STRUCTURE AND CRITICAL TEMPERATURE BISMUTH INFLUENCE ON THE FORMATION OF Hg-1234 PHASE DEPENDENCE OF CHARACTERISTIC PROPERTIES OF (Hg,Cu)Ba sub2 Ce sub3 Cu sub3 OY OXIDE SUPERCONDUCTOR (Hg,Cu)Ba2CeCu3Oy OXIDE SUPERCONDUCTOR AND METHOD OF INFLUENCE OF THE SUBSTRATE ON THE STRUCTURAL AND INFLUENCE OF THE VARIATION OF THE Hg AND Pb LITHIUM-SILVER OXIDE BATTERY AND LITHIUM-MERCURIC MAGNETIC INVESTIGATIONS ON HgBa2 Ce2 Cu3 OY CERAMICS MERCURY SUPERCONDUCTOR CRYSTAL GROWTH UNDER HIGH METHOD FOR SYNTHESIS OF HIGH-TEMPERATURE Hg-Ba-Ca-Cu-O METHOD OF MANUFACTURING OXIDE SUPERCONDUCTOR SUPERCONDUCTOR WITH 1212 PHASE OF Hg,Pb,Sr,Ba,Ca,Y,Cu Ti-DOPED HgBaCaCu SUPERCONDUCTORS

MERCURY CADMIUM TELLURIDE

CHARACTERISATION OF RECOMBINATION CENTRES IN n-TYPE IDENTIFICATION OF TRAP-ASSISTED TUNNELING IN A MOCVD-GROWN WIDER BAND GAP CAPPING LAYERS IN TWO-DIMENSIONAL INFRARED FOCAL PLANE ARRAYS BASED ON X-RAY ABSORPTION FINE STRUCTURE OF ION-IMPLANTED

MESOSTRUCTURE

MESOSTRUCTURE OF CALCIUM SILICATE HYDRATE (C-S-H) GELS

METAL INSULATOR SEMICONDUCTOR

ELECTRICAL CHARACTERISATION OF Al-AlN (PSMBE-GROWN)-Si

METALORGANIC CHEMICAL VAPOUR DEPOSITION-GROWN AlN

METAL OXIDE

CATHODE RAY TUBE HAVING A METAL OXIDE FILM OVER A CERAMIC FIBRES PRODUCED BY ELECTROPHORETIC DEPOSITION CERAMIC MEMBRANES HAVING MACROSCOPIC CHANNELS COATED ARTICLE HAVING IMPROVED ADHESION TO ORGANIC COMBUSTION CATALYST WIRE WRAPPED ON CORROSION COMPOSITION FOR FORMING METAL OXIDE THIN-FILM PATTERN CONDUCTIVE ANTIREFLECTION FILM AND CONDUCTIVE CERAMIC FOR DETECTING AND MEASURING A METAL OXIDE FORMATION METHODS OF OPAQUE OR TRANSLUCENT FILMS FORMATION OF THIN-FILM PATTERNS OF A METAL OXIDE HOOD FOR METAL-OXIDE VAPOUR COATING GLASS CONTAINERS INK COMPOSITION FOR FORMING THIN FILM LOW TRANSPARENCY COPPER OXIDE COATING FOR LUSTER PIGMENTS BASED ON MULTILY COATED PLATELIKE METHOD FOR FORMING A PATTERN OF NONVOLATILE METHOD FOR PRODUCING RARE EARTH ACTIVATED METAL OXIDE METHOD FOR PRODUCTION OF POWDERS METHOD FOR STABILIZING CERAMIC SUSPENSIONS METHOD OF FABRICATING HIGH THRESHOLD METAL OXIDE METHOD OF FABRICATING NONLINEAR RESISTOR METHOD OF MAKING METAL OXIDE SEMICONDUCTOR TRANSISTORS METHOD OF MAKING A SPARK JUMP INSULATOR METHOD OF MANUFACTURING AN ELECTRODE FOR MEASURING PH METHOD OF REDUCING METAL OXIDE IN A ROTARY HEARTH NPO DIELECTRIC CERAMIC COMPOSITIONS AND CAPACITORS OPERATION OF SILICON-GERMANIUM CMOS ON SAPPHIRE OXYGEN ION-CONDUCTING CERAMIC CERAMIC

POLYCRYSTALLINE SILICON PHOTOELECTRIC CONVERSION PRECURSORS AND PROCESSES FOR MAKING METAL OXIDES PREPARATION OF CATALYTICALLY ACTIVE POLY-METAL OXIDE PROCESS FOR BONDING A CONTACT LAYER OF SILVER-METAL PROCESS FOR FORMING A SUPERCONDUCTIVE FIBREFORM PROCESS FOR PRODUCING FINE METAL OXIDE PARTICLES PROCESS FOR TREATMENT OF THIN FILMS BASED UPON REDUCING MELT BOROSILICATE GLASS HAVING IMPROVED UV REFRACTORY BRICK SEMICONDUCTOR DEVICE HAVING AN SOI STRUCTURE SILICON CARBIDE COMPOSITE WITH A CARBONATED FIBRE SPRAY-PYROLYSIS PROCESS OF PREPARING SUPERCONDUCTING SUPERCONDUCTIVE COMPOUNDS AND PROCESS FOR PRODUCING SUPERCONDUCTIVE FIBREFORM CERAMIC COMPOSITE TOOL WITH DIAMOND CUTTING EDGE HAVING VAPOUR DEPOSITED VAPOR DEPOSITION OF THE SHAPE AND SIZE OF THE PROPERTIES OF YTTRIUM OR RARE-EARTH SUBSTITUTED METAL OXIDE

METAL OXIDE SEMICONDUCTOR

BIDIRECTIONAL BLOCKING ACCUMULATION-MODE TRENCH POWER

76-04150C  
76-06332A  
76-06333A  
76-08713A  
76-08558A  
76-04474A  
76-08933A  
76-04478A  
76-06501A  
76-08939C  
76-04169A  
76-04490C  
76-04160C  
76-08117C  
76-04494A  
76-03110C  
76-04703C  
76-06169C  
76-08584C  
76-07463C  
76-03110C  
76-09164C  
76-08865A  
76-04179A  
76-04182A  
76-03549A  
76-08870P  
76-05631P  
76-04187C  
76-08435A

76-07735P  
76-05483P  
76-05542P  
76-07492P  
76-07759P  
76-03549A  
76-05581P  
76-07802P  
76-05586P  
76-07811P  
76-07847P  
76-07821P  
76-05601P  
76-07518P  
76-07838P  
76-07847P  
76-05619P  
76-05620P  
76-07859P  
76-07864P

76-03505A  
76-03508A  
76-03517A  
76-05773P  
76-01101P  
76-03549A  
76-03550A  
76-07488P  
76-03557A  
76-03552A  
76-03552A  
76-08089P  
76-01137P  
76-01140P

76-03155A  
76-03215A  
76-03244A  
76-03296A  
76-03303A

76-00047A

76-07574C

76-03241A

76-06554P  
76-04536P  
76-08713A  
76-08571P  
76-04309P  
76-06577P  
76-04403P  
76-06577P  
76-06275P  
76-06599P  
76-05914P  
76-06612P  
76-04578P  
76-06623P  
76-05702P  
76-06653P  
76-06655P  
76-06655P  
76-05576P  
76-06664P  
76-08050P  
76-02124P  
76-02146P  
76-01430P  
76-05510P  
76-03262C  
76-03141P  
76-06703P  
76-04636P  
76-02144P  
76-06718P  
76-06720P  
76-05797P  
76-06737P  
76-02163P  
76-05161P  
76-05566P  
76-05613P  
76-02171P  
76-06777P  
76-06522P  
76-03653P  
76-06786P  
76-06789P  
76-06811P

76-06703P  
76-04636P  
76-02144P  
76-06718P  
76-06720P  
76-05797P  
76-06737P  
76-02163P  
76-05161P  
76-05566P  
76-05613P  
76-02171P  
76-06777P  
76-06522P  
76-03653P  
76-06786P  
76-06789P  
76-06811P

76-07730P



- CMOS BIDIRECTIONAL DIFFERENTIAL LINK 76-07733P  
CMOS DEVICE STRUCTURE WITH REDUCED RISK OF SALICIDE 76-07734P  
CMOS MEMORY CELL WITH TUNNELING DURING PROGRAM AND 76-07735P  
CMOS TRANSISTOR WITH TWO-LAYER INVERSE-TUNGSTEN GATE 76-05533P  
DEEP TRENCH DRAM PROCESS ON SOI FOR LOW LEAKAGE DRAM 76-05536P  
DEFECT-FREE CMOS PROCESSES 76-03306P  
DIELECTRICALLY ISOLATED SiC MOSFET 76-03307P  
CMOS FABRICATION PROCESS IMPLEMENTED WITH REDUCED 76-07737P  
DRAM STACK CAPACITOR WITH LADDER STORAGE NODE 76-05483P  
DUAL POLY-GATE DEEP SUBMICRON CMOS WITH BURIED CONTACT 76-07738P  
ELECTROSTATIC DISCHARGE PROTECTION STRUCTURE FOR 76-07739P  
FLASH EPROM MEMORY CELL WITH POLYSILICON SOURCE/RAIN 76-05542P  
HIGH PERFORMANCE FIELD EFFECT TRANSISTOR WITH LAI 76-05546P  
IMPACT OF FLOATING-BODY-INDUCED PARASITIC BIPOLAR 76-03218C  
LOW CAPACITANCE AND LOW V<sub>subt</sub> ANNULAR MOSFET DESIGN 76-07755P  
LOW CYCLE TIME CMOS PROCESS 76-03317P  
METAL OXIDE SEMICONDUCTOR DEVICE WITH SELF-ALIGNED 76-07756P  
METHOD AND APPARATUS FOR DERIVING TOTAL LATERAL 76-07757P  
METHOD FOR AN MOS DEVICE MANUFACTURING 76-07758P  
METHOD FOR FABRICATING MOS TRANSISTOR HAVING 76-05559P  
METHOD FOR FABRICATING A SELF-ALIGNED DOUBLE-GATE 76-07762P  
METHOD FOR MAKING DYNAMIC RANDOM ACCESS MEMORY WITH 76-03133P  
METHOD FOR MANUFACTURING CMOS DEVICE 76-07772P  
METHOD FOR MANUFACTURING MOS TRANSISTOR OF HIGH 76-07776P  
METHOD FOR PRODUCING MOS TRANSISTORS AND BIPOLAR 76-05571P  
METHOD OF FABRICATING BICMOS DEVICE 76-07789P  
METHOD OF FABRICATING FIELD EFFECT TRANSISTORS HAVING 76-05575P  
METHOD OF FABRICATING A SELF-ALIGNED CONTACT TRENCH 76-07790P  
METHOD OF FABRICATING A SELF-ALIGNED HIGH-SPEED MOSFET 76-05577P  
METHOD OF FABRICATING ULTRA-LARGE-SCALE INTEGRATION 76-07793P  
METHOD OF FORMING A CMOS CIRCUITRY 76-05578P  
METHOD OF FORMING GATE OXIDE FOR FIELD EFFECT 76-07795P  
METHOD OF FORMING MOSFET DEVICES WITH BURIED BITLINE 76-07796P  
METHOD OF FORMING SELF-ALIGNED TWIN TUB CMOS DEVICES 76-03329P  
METHOD OF FORMING A SEMICONDUCTOR DEVICE HAVING CMOS 76-07798P  
METHOD OF MAKING AN FET WITH DIELECTRICALLY ISOLATED 76-07799P  
METHOD OF MAKING ASYMMETRIC LOW POWER MOS DEVICES 76-07801P  
METHOD OF MAKING A CMOS DYNAMIC RANDOM-ACCESS MEMORY 76-07802P  
METHOD OF MAKING COMBINED JFET & MOS TRANSISTOR DEVICE 76-05583P  
METHOD OF MAKING COMBINED METAL OXIDE SEMICONDUCTOR 76-07803P  
METHOD OF MAKING MOS TRANSISTOR WITH CONTROLLED 76-07805P  
METHOD OF MAKING POLY LDD SELF-ALIGNED CHANNEL 76-03330P  
METHOD OF MAKING A SEMICONDUCTOR DEVICE HAVING 76-03331P  
METHOD OF MAKING SEMICONDUCTOR DEVICE HAVING SIMOX 76-07807P  
METHOD OF MAKING SEMICONDUCTOR DEVICE WITH METAL 76-05587P  
METHOD OF MANUFACTURING FERROELECTRIC CAPACITOR WITH A 76-03458P  
METHOD OF MANUFACTURING HIGH-PERFORMANCE BIPOLAR 76-03333P  
METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE 76-03334P  
METHOD OF FORMING BICMOS SEMICONDUCTOR DEVICES 76-07810P  
MIXED MODE OUTPUT BUFFER CIRCUIT FOR CMOSIC 76-07819P  
MOS TRANSISTOR HAVING A COMPOSITE GATE ELECTRODE AND 76-05596P  
MOS TRANSISTOR WITH AN OPTICAL RECTIFICATION 76-03250A  
MOSFET DEVICE HAVING CONTROLLED PARASITIC ISOLATION 76-07820P  
MOSFET HAVING IMPROVED DRIVING PERFORMANCE 76-05597P  
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- 76-06244C  
76-07077A  
76-06457C  
76-06142C  
76-01239C  
76-00047A  
76-04378A  
76-08693A  
76-08530A  
76-06144C  
76-05703P  
76-08958P  
76-00782P  
76-04609P  
76-04713A  
76-08917A  
76-02249C  
76-08691A  
76-08531C  
76-02901A  
76-02302C  
76-01765C  
76-02444A  
76-02445A  
76-04267A  
76-00939A  
76-03989A  
76-08967A  
76-04139C  
76-04268C  
76-09177C  
76-08692A  
76-08532A  
76-08693A  
76-08694A  
76-01984A  
76-03242A  
76-08918A  
76-02612A  
76-06245A  
76-08695A  
76-01965A  
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76-04817A  
76-01966C  
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76-06246A  
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76-03404A  
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76-02903A  
76-08696A  
76-07447C  
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76-08049A  
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76-04672A  
76-00115A  
76-03563A  
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76-07938A  
76-04805A  
76-09250A  
76-00116A  
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76-04807C  
76-06803A  
76-00611C  
76-06856A  
76-08919C  
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76-06146A  
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76-07014A  
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76-06247A  
76-03564A  
76-08184C  
76-01767A  
76-06857A  
76-08533C  
76-08534A  
76-09178A  
76-08697A  
76-08778A  
76-00940A  
76-00941A  
76-06461C  
76-03405A  
76-06248A  
76-03665A  
76-02507C  
76-08535A  
76-01631A  
76-00208A  
76-02027A  
76-00483C  
76-07015C  
76-07940C  
76-04270A  
76-07638A  
76-04333A  
76-08698C  
76-03566A  
76-07637C  
76-08699C  
76-07941C  
76-03406A  
76-06462A  
76-08700A  
76-01968A  
76-08701A  
76-01969C  
76-03991A  
76-02040C  
76-00119C  
76-03080A  
76-04140C  
76-08538A  
76-08539A  
76-01971C
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PROCESSING AND CHARACTERISATION OF Pb<sub>2</sub>Ti<sub>2</sub>O<sub>3</sub> FILMS
- 76-01632A  
76-06249C  
76-00250A  
76-02906A  
76-08921A  
76-06465A  
76-01972C  
76-02134P  
76-03479A  
76-06467C  
76-06468A  
76-02911A  
76-04272A  
76-06470C  
76-03255A  
76-03572A  
76-06400A  
76-03082C  
76-04470A  
76-02912C  
76-06150A  
76-0211A  
76-05725A  
76-07650C  
76-05782A  
76-06036A  
76-03542A  
76-04142A  
76-07546A  
76-00124A  
76-09924A  
76-08040C  
76-02505C  
76-07949C  
76-01973A  
76-00125C  
76-02509C  
76-02913A  
76-04144C  
76-07659A  
76-08189A  
76-07018A  
76-04471A  
76-04142A  
76-04715A  
76-03413A  
76-06481C  
76-09948A  
76-04472A  
76-02237A  
76-06816A  
76-06817C  
76-06818A  
76-04278A  
76-07085C  
76-04472C  
76-00351A  
76-04386A  
76-04387A  
76-04387A  
76-05186A  
76-02657A  
76-04817C  
76-04145C  
76-04387A  
76-04387A  
76-05186A  
76-00728A  
76-04340A  
76-04340A  
76-04344A  
76-07086A  
76-07322A  
76-00951A  
76-00352A  
76-07950C  
76-07019A  
76-08195A  
76-01267A  
76-08255C  
76-08255A  
76-04150C  
76-05014A  
76-00056A  
76-06255C  
76-08255A  
76-05068A  
76-04282A  
76-05433A  
76-08713A  
76-00129C  
76-06256C  
76-04476C  
76-09260A  
76-08590A  
76-01980A  
76-06154A  
76-04153C  
76-08932C  
76-03421A  
76-07324A  
76-04478A  
76-05885A  
76-07453C  
76-05069A  
76-06579A  
76-00262A  
76-08561A  
76-08935A  
76-01981A  
76-06497A  
76-08935A  
76-08401A  
76-01774A  
76-08564A  
76-08564A  
76-08204A  
76-08503C  
76-03753A  
76-06157C  
76-08564A  
76-05888C  
76-03594A  
76-02513C  
76-06258C  
76-07961A

PROCESSING AND MICROSTRUCTURAL DEVELOPMENT OF  
PROCESSING AND MICROSTRUCTURE OF CONTINUOUS FIBRE  
PROCESSING AND PROPERTIES OF ALUMINA-SILICON CARBIDE  
PROCESSING AND PROPERTIES OF ALUMINUM NITRIDE  
PROCESSING AND PROPERTIES OF  
PROCESSING AND SINTERING OF CaB<sub>6</sub> TiO<sub>2</sub> POWDERS FOR

PROCESSING ASPECTS OF GLASS-NICALON FIBRE AND  
PROCESSING EFFECTS ON MORPHOLOGICAL EVOLUTION OF ZnO  
PROCESSING, MECHANICAL AND ELECTRICAL CHARACTERISATION  
PROCESSING METHYL-MODIFIED SILICATE MATERIALS FOR  
PROCESSING, MICROSTRUCTURE AND MECHANICAL PROPERTIES  
PROCESSING OF Al<sub>2</sub>O<sub>3</sub>/SiC COMPOSITES IN AQUEOUS MEDIA  
PROCESSING OF AlN-B<sub>4</sub>C/Al COMPOSITES  
PROCESSING OF ALUMINUM NITRIDE WHISKERS BY COMBUSTION  
PROCESSING OF HYDROXYAPATITE CERAMIC FOAMS  
PRODUCING CERAMIC LAMINATE COMPOSITES BY EPD  
PRODUCTION AND CHARACTERISATION OF  
PRODUCTION AND PROPERTIES OF ALUMINUM  
PRODUCTION OF DEFECT-POOR NANOSTRUCTURED CERAMICS OF  
PROPERTIES OF FUSED ZIRCONIA REFRACTORY MATERIALS  
PROPERTIES OF ZIRCONIA-TOUGHENED MULLITE CERAMICS  
PROPERTIES OF ZnS OPTICAL CERAMICS  
PROPERTIES OF ZrO<sub>2</sub>-Ca-BETA'-Al<sub>2</sub>O<sub>3</sub> COMPOSITES  
PROPOSED NEW NONDESTRUCTIVE TESTS FOR Si<sub>3</sub>N<sub>4</sub> BY  
PROTONIC CONDUCTION IN Sr<sub>1-x</sub>(Zr<sub>1-x</sub>)<sub>2</sub>O<sub>3</sub>-DELTA  
PYROELECTRIC PROPERTIES OF DIPOLAR POLAR  
PZT PHASE FORMATION MONITORED BY HIGH-TEMPERATURE  
QUANTITATIVE HOMOGENEITY DEGREES FOR ADDITIVE ALUMINA  
RAPID DENSIFICATION OF CARBON-CARBON COMPOSITES BY  
RARE-EARTH DOPED ZIRCONIA FIBRES BY SOL-GEL PROCESSING  
R-CURVE BEHAVIOUR OF IN-SITU TOUGHENED Al<sub>2</sub>O<sub>3</sub>/Ca<sub>10</sub>Si<sub>2</sub>O<sub>22</sub>  
REACTION BONDING AND POST SINTERING OF ALPHA-SIALONS  
REACTION PATH IN THE FORMATION OF TITANIUM DIBORIDE BY  
REACTION PHASES IN SiC/SiC OR Si<sub>3</sub>N<sub>4</sub>/Si<sub>3</sub>N<sub>4</sub> JOINT BRAZED  
REACTION SINTERING OF Al<sub>2</sub>O<sub>3</sub>/Al<sub>2</sub>O<sub>3</sub> COMPOSITES  
REACTION SINTERING OF ALUMINA-ALUMINUM ALLOYS (3A)  
REACTION-BONDING PREPARATION OF Si<sub>3</sub>N<sub>4</sub>-SiC AND  
REACTIONS OCCURRING IN POST HEAT-TREATED ALPHA/BETA  
REACTIVE COATING OF DOLOMITE ON ALUMINA SUBSTRATES  
REACTIVE COATING OF ZIRCON ON MULLITE AND  
REFLECTION ELECTRON MICROSCOPY OBSERVATIONS OF  
REFRACTORY MATERIALS FOR VERY HIGH-TEMPERATURE  
RELATIONSHIP BETWEEN ARCHITECTURE, FLEXURAL STRENGTH  
RELATIONSHIP BETWEEN MICROSTRUCTURE AND YOUNG'S  
RELATIONSHIP BETWEEN THE EVAPORATION OF COMPONENTS AND  
RELATIONSHIP BETWEEN THE MICROSTRUCTURE AND MICROWAVE  
RESIDUAL STRESS IN CERAMICS WITH LARGE THERMAL  
RESULTS OF TRANSMISSION ELECTRON MICROSCOPY  
REVIEW ON PARTICULATE-REINFORCED TITANIUM MATRIX  
RF MAGNETRON SPUTTERED ALUMINUM OXIDE COATINGS ON  
RF PLASMA ETCHING TECHNIQUE APPLIED TO THE ANALYSES OF  
RIGIDIZED REFRACTORY FIBROUS CERAMIC INSULATION  
RIM-EFFECT IN HIGH BURNUP UO<sub>2</sub> NUCLEAR FUEL  
ROOM-TEMPERATURE PREPARATION OF CRYSTALLINE  
SCANNING PROBE MICROSCOPY AND THERMO-MECHANICAL  
SECONDARY PHASE INSTABILITY IN ZrO<sub>2</sub>-DOPED SILICON  
SEMICONDUCTOR SENSOR WITH SUSPENDED MICROSTRUCTURE  
SHAPING OF MULTILAYER CERAMIC MEMBRANES BY DIP COATING  
SHAPING OF YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub>/Y<sub>2</sub>BaCu<sub>3</sub>O<sub>7-x</sub> BULK SUPERCONDUCTING  
SHEAR INDUCED TRANSFORMATION IN ENSTATITE  
SHORT-CRACK TOUGHNESS AND ABRASIVE MACHINING OF  
SHRINKAGE AND MICROSTRUCTURAL DEVELOPMENT DURING  
Si<sub>3</sub>N<sub>4</sub>-POWDER COATED WITH Y<sub>2</sub>O<sub>3</sub> BY ORGANOMETALLIC  
Si<sub>3</sub>N<sub>4</sub>-TiN COMPOSITES

SiC NANOPARTICLE-REINFORCED Al<sub>2</sub>O<sub>3</sub> MATRIX COMPOSITES:  
SiC PARTICLE REINFORCED OXYNITRIDE GLASS: PROCESSING  
SiC PLATELET ORIENTATION IN A LIQUID-PHASE-SINTERED  
SiC PLATELET-REINFORCED Al<sub>2</sub>O<sub>3</sub> COMPOSITES BY FREE  
SiC-TiC AND SiC-TiB<sub>2</sub> COMPOSITES DENSIFIED BY  
SILICON CARBIDE PARTICLE SIZE EFFECTS IN ALUMINA-BASED  
SILICON NITRIDE BONDED SILICON CARBIDE REFRACTORIES  
SILICON NITRIDE FIBRES SYNTHESIZED BY A GAS-PHASE  
SILICON NITRIDE THERMAL AND COMBUSTION FOR  
SILICONE MEMBRANES WITH SILICA NANOPARTICLES  
SILLIMANITE SAND-FELDSPAR PORCELAINS, PT.2. PHASE  
SIMPLE METHOD FOR THE PREPARATION OF PLASMA-SPRAYABLE  
SIMULATION OF CEMENT HYDRATION AND THE CONNECTIVITY OF  
SIMULTANEOUS SYNTHESIS AND DENSIFICATION OF MoS<sub>2</sub> BY  
SINTERABILITY OF SPINEL, MgAl<sub>2</sub>O<sub>4</sub>-ZIRCONIA COMPOSITE  
SINTERED MgO CLINKER CONTAINING Al<sub>2</sub>O<sub>3</sub>  
SINTERED POROUS CALCIUM ALUMINATE BIO-CERAMICS  
SINTERING AND CREEP BEHAVIOUR OF SiO<sub>2</sub>/Si<sub>3</sub>N<sub>4</sub> COMPACTS  
SINTERING AND MECHANICAL PROPERTIES OF  
SINTERING AND MICROSTRUCTURAL DEVELOPMENT OF ALUMINA  
SINTERING AND MICROSTRUCTURE OF Al<sub>2</sub>O<sub>3</sub> WITH A COATING  
SINTERING AND MICROSTRUCTURE OF Al<sub>2</sub>O<sub>3</sub>-ZrO<sub>2</sub> CERAMICS  
SINTERING BEHAVIOUR, MICROSTRUCTURE AND MECHANICAL  
SINTERING BEHAVIOUR, MICROSTRUCTURE AND PROPERTIES OF  
SINTERING BEHAVIOUR OF Al<sub>2</sub>O<sub>3</sub>-TiO<sub>2</sub>-MnO DOPED WITH MgO  
SINTERING HYDROXYAPATITE WITH DIFFERENT ADDITIVES  
SINTERING, MICROSTRUCTURE AND MECHANICAL PROPERTIES OF  
SINTERING OF FINE OXIDE POWDERS, PT.1.  
SINTERING OF NANOPHASE GAMMA-Al<sub>2</sub>O<sub>3</sub> POWDER  
SINTERING OF NANOSIZED Mn<sub>2</sub>N FERRITE POWDERS  
SINTERING OF NATURAL ANHYDRITE-GLASS COMPOSITE  
SINTERING OF POROUS ALUMINA USING MnO AND TiO<sub>2</sub>  
SINTERING OF PZT CERAMICS FROM HYDROTHERMALLY  
SINTERING OF ZIRCONIA COATED HYDROXYAPATITE PARTICLES  
SINTERING STUDIES OF NANOPHASE CERAMIC OXIDES USING

SiO<sub>2</sub>-Co<sub>2</sub>O<sub>3</sub> COATINGS OF GLASS SUBSTRATE BY SOL-GEL  
SIZE EFFECT OF SiC PARTICLE ON THE MECHANICAL  
SLAGLINE WEAR OF GRAPHITE-BONDED ZIRCONIA SENS  
SLIDING WEAR OF Al<sub>2</sub>O<sub>3</sub>-SiC (Al<sub>2</sub>Si) COMPOSITES AGAINST A  
SLIDING WEAR OF CERAMICS  
SMART PROCESSING OF COMPOSITE MATERIALS BY ELECTRIC  
SOL-GEL AND MICROWAVE PROCESSING OF MULLITE  
SOL-GEL GAMMA-RADIATION SYNTHESIS OF TITANIA-SILVER  
SOLID-STATE DIFFUSIVE AMORPHIZATION IN TiO<sub>2</sub>-ZrO<sub>2</sub>  
SOLID-STATE-SINTERED SILICON CARBIDE BY WATER-BASED  
SPUTTERED La<sub>0.55</sub>Sm<sub>0.45</sub>Ni<sub>0.3</sub>Y<sub>0.15</sub> STABILISED ZIRCONIA  
STABILISATION OF GAMMA-ALUMINUM OXYNITRIDE (AlON) AND  
STABILITY OF TaN AND TiN IN THE PRESENCE OF REFRACTORY  
STABILITY OF TRIUM ALPHASIAON AND BETA-SIAON AT  
STABLE AND METASTABLE PHASE RELATIONS IN THE SYSTEM  
STEREOLOGICAL OBSERVATIONS OF PLATELIKE-REINFORCED  
STRAIN TOLERANT POROUS SILICON NITRIDE  
STRENGTH AND MICROSTRUCTURE OF CAST GYPSUM  
STRENGTH OF DUPLEX Al<sub>2</sub>O<sub>3</sub>-ZrO<sub>2</sub> COMPOSITES  
STRUCTURAL AND ELECTRICAL CHARACTERISATION OF  
STRUCTURAL AND MECHANICAL CHARACTERISATION OF SOME  
STRUCTURAL AND PHASE TRANSFORMATIONS AND PROPERTIES OF  
STRUCTURAL AND SUPERCONDUCTING PROPERTIES OF  
STRUCTURAL EVOLUTION OF MULLITE GELS

76-01987A  
76-08506C  
76-04482C  
76-03755C  
76-03425C  
76-07962C  
76-07992C  
76-08507A  
76-00814C  
76-03091C  
76-08504C  
76-08504C  
76-04483A  
76-00131C  
76-04012C  
76-04155A  
76-04484A  
76-04156C  
76-08716A  
76-08567A  
76-08567A  
76-02926A  
76-08568A  
76-01885A  
76-09184C  
76-08600C  
76-00729A  
76-02621A  
76-07965C  
76-09185C  
76-08509C  
76-06063A  
76-04823A  
76-01993C  
76-04288C  
76-00132A  
76-01996A  
76-08945A  
76-08946A  
76-01779A  
76-08572A  
76-08573A  
76-04157A  
76-02624C  
76-04826C  
76-09265A  
76-06163A  
76-00966A  
76-01993C  
76-02937A  
76-05073A  
76-04349A  
76-01780C  
76-05307P  
76-05663C  
76-04492  
76-08720C  
76-08722C  
76-05622P  
76-04494A  
76-03603A  
76-06164A  
76-04291A  
76-08606C  
76-06266A  
76-02003C  
76-09268A  
76-08949A  
76-04495A  
76-08949A  
76-06154A  
76-09186A  
76-02942A  
76-04021C  
76-04294A  
76-02005A  
76-05321A  
76-06166A  
76-02455A  
76-03000A  
76-05333A  
76-01535C  
76-04496C  
76-06519A  
76-01644C  
76-01897C  
76-01645A  
76-08581A  
76-06168A  
76-07336A  
76-04497A  
76-02010C  
76-04499C  
76-04163A  
76-04163A  
76-02012A  
76-08009C  
76-07237A  
76-06169C  
76-03435C  
76-08520A  
76-01647A  
76-02224C  
76-05894A  
76-01854C  
76-07340A  
76-07027A  
76-02304A  
76-01289C  
76-05896C  
76-08944A  
76-01818C  
76-05900C  
76-07462C  
76-02946C  
76-0529C  
76-08727A  
76-08792A  
76-04720A  
76-08729A  
76-01543A  
76-04833A  
76-08849A  
76-06077C  
76-08587A  
76-08606A  
76-01651A

STRUCTURAL PECULIARITIES OF CERMETS DESIGN BASED ON  
STRUCTURAL STABILITY OF STRONTIUM BARIUM NIOBATE  
STRUCTURAL STUDIES OF TiN/Zn MULTILAYER COATING  
STRUCTURE AND MECHANICAL BEHAVIOUR OF CERAMIC FOAMS  
STRUCTURE AND PROPERTIES OF REFRACTORIES BASED ON  
STRUCTURE AND THERMAL EVOLUTION OF SiC-BASED FIBRES  
STRUCTURE COMPOSITION AND MECHANICAL BEHAVIOUR AT  
STUDIES OF THE MECHANICAL PROPERTIES OF  
STUDIES ON MICROSTRUCTURE OF THE USED INSULATING BOARD  
STUDY OF FORMATION KINETICS OF SURROUNDED STRUCTURE  
STUDY OF GROWTH KINETICS IN MELT-TEXTURED YBaCu<sub>3</sub>O<sub>7-x</sub>  
STUDY OF THE WETTING, MICROSTRUCTURE AND BOND STRENGTH  
STUDY ON VARIOUS TYPES OF ULTRAFINE POWDER USED IN  
(SUPER) PLASTICITY OF NANOCRYSTALLINE ZIRCONIA  
SUPERPLASTIC DEFORMATION OF HIPED MgAl<sub>2</sub>O<sub>4</sub> SPINEL  
SUPERPLASTICITY OF HIP MgO-Al<sub>2</sub>O<sub>3</sub> SPINEL: PROSPECTS FOR  
SUPERSTRUCTURE IN LITHIUM OXIDES  
SUPPRESSION OF GRAIN GROWTH IN SOL-GEL-DERIVED TIN  
SURFACE AND INTERNAL CRYSTALLISATION IN GLASSES AS  
SURFACE FINISH AND MECHANICAL PROPERTIES OF COMMERCIAL  
SURFACE LAYERS OF ZIRCONIA-CARBIDE COMPOSITES ON Y-TZP  
SURFACE MICROSTRUCTURE OF  
SYNERGISTIC STRENGTHENING AND TOUGHENING OF ZIRCON  
SYNTHESIS AND ANALYSIS OF ZrO<sub>2</sub>-BASED COMPOSITES  
SYNTHESIS AND CHARACTERISATION OF INORGANIC GELS IN A  
SYNTHESIS AND CHARACTERISATION OF LEAD MAGNESIUM  
SYNTHESIS AND CHARACTERISATION OF A REINFORCEABLE  
SYNTHESIS AND PROCESSING OF ZnS-GAP NANOCOMPOSITES  
SYNTHESIS AND PROPERTIES OF DENSE NICKEL AND COBALT  
SYNTHESIS AND PROPERTIES OF FUNCTIONALLY-GRADIENT  
SYNTHESIS AND PROPERTIES OF IN SITU Si<sub>3</sub>N<sub>4</sub>-REINFORCED  
SYNTHESIS AND STRUCTURE OF GLASSES IN THE SYSTEM  
SYNTHESIS OF ALUMINUM TITANATE POWDER BY DIFFERENT  
SYNTHESIS OF Co-Ni-FERRITES FROM SULFIDE COAL ASHES  
SYNTHESIS OF CUBIC DIAMOND IN THE GRAPHITE-MAGNESIUM  
SYNTHESIS OF METASTABLE TETRAGONAL (T)  
SYNTHESIS OF MULLITE COATINGS BY CHEMICAL VAPOUR  
SYNTHESIS OF NANOMETRE-SIZED POWDERS OF ALUMINA AND  
SYNTHESIS OF NOVEL PRECURSORS FOR PMN POWDERS AND THE  
SYNTHESIS OF PYROCHLORE-FREE 0.9 Pb(Mg<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3-0.1</sub>  
SYNTHESIS OF RED-EMITTING, SMALL PARTICLE SIZE  
SYNTHESIS OF SILICON CARBIDE WHISKERS USING THE  
SYNTHESIS OF STABLE SUPPORTS CONSISTING OF Si-Si  
SYNTHESIS OF TITANIUM NITRIDE BY A SPARK-DISCHARGE  
SYNTHESIS ROUTES AND CHARACTERISATION OF HIGH-PURITY  
TAILORING OF MICROSTRUCTURE AND ROOM-TEMPERATURE  
TAILORING THE MICROSTRUCTURE AND PERFORMANCE OF  
TAILORING THE MICROSTRUCTURE OF POLYIMIDE-SILICA  
TANTALA-SILICA INTERFERENCE FILTERS AND LAMPS USING  
TAPE CASTING OF ALUMINA IN WATER WITH AN ACRYLIC LATEX  
TAPE CASTING OF LANTHANUM CHROMITE  
TAPE CASTING OF PIEZOELECTRIC MATERIALS BASED ON PZT  
TAPE CASTING USING UV CURABLE BINDERS  
TEM ANALYSES OF AN ALL-CERAMIC BaO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> BOND  
TEM AND EDX INVESTIGATIONS OF EXPERIMENTAL SiC-YMAS  
TEM STUDY OF THE SURFACE MORPHOLOGY OF EXTRACTED  
TENSILE BEHAVIOUR OF AN OXIDE DISPERSION STRENGTHENED  
TETRAGONAL TO MONOCLINIC TRANSFORMATION AND  
TEXTURAL CHANGE BEHAVIOUR OF REFRACTORIES DURING  
TEXTURAL CHANGE OF MAGNESIA-CHROMITE REFRACTORIES  
TEXTURE AND CHEMICAL COMPOSITION ANALYSES ON THE  
TEXTURE OF SLIP CAST SiC PLATELET REINFORCED 3Y-TZP  
THERMAL AND PHOTOCHEMICAL PRODS FOR THE PREPARATION  
THERMAL CONDUCTIVITY ESTIMATES FOR NEW (OXY)-NITRIDE  
THERMAL CONDUCTIVITY IN HOT-PRESSED SILICON CARBIDE  
THERMAL CONDUCTIVITY OF GAS-PRESSURE-SINTERED SILICON  
THERMAL EXPANSION RESPONSES OF PRESSURE INFILTRATED  
THERMAL FATIGUE DAMAGE ACCUMULATION IN MgO AND  
THERMAL HISTORY AND MECHANICAL BEHAVIOUR OF MgO-C  
THERMAL INDUCED CHANGE IN HYDROXYAPATITE CRYSTALS  
THERMAL SHOCK BEHAVIOUR OF Al<sub>2</sub>O<sub>3</sub>-SiC COMPOSITES MADE  
THERMAL STABILITY OF HEXAALUMINATE FILM COATED ON SiC  
THERMAL STABILITY OF A PCS-DERIVED SiC FIBRE WITH A  
THERMOMECHANICAL AND MICROSTRUCTURAL EVALUATION OF  
THERMOMECHANICAL CHARACTERISATION OF B4C VACUUM PLASMA  
THERMOMECHANICAL PROPERTIES OF  
THICKNESS DEPENDENCE OF CRYSTALLINE ORIENTATION IN  
THERMAL HYDROXYAPATITE LAYERS ON POROUS TITANIUM  
THREE-DIMENSIONAL COMPUTER SIMULATION OF PORTLAND  
TITANIUM DIBORIDE PARTICLE-REINFORCED ALUMINUM WITH  
TITANIUM IMPLANTATION INTO BORON NITRIDE FILMS AND ION  
TOUGHENING OF ALUMINA-HYDROXYAPATITE BIO-CERAMIC  
TOUGHENING OF BORON CARBIDE CERAMICS BY ADDITION OF  
TOUGHENING OF CALCIUM HYDROXYAPATITE WITH SILVER  
TOUGHENING OF SOL-GEL DERIVED MULLITE BY Al<sub>2</sub>O<sub>3</sub>  
TRANSFORMATION AND DENSIFICATION OF NANOCRYSTALLINE  
TRANSFORMATIONS IN COMPOSITE POWDERS OF ALUMINUM AND  
TRILUCENT LOW-TEMPERATURE EXPANSION CERAMICS  
TRANSMISSION ELECTRON MICROSCOPIC INVESTIGATIONS ON  
TRANSMISSION ELECTRON MICROSCOPY AND ELECTRON  
TRANSMISSION ELECTRON MICROSCOPY OBSERVATION AND  
TRANSMISSION ELECTRON MICROSCOPY STUDY OF SiC/Mg ALLOY  
TRANSMISSION ELECTRON MICROSCOPY STUDY OF THE  
TWO-STEP METHOD TO OBTAIN SUPERPLASTIC SILICON NITRIDE  
TWO-STEP SINTERING OF A TiB<sub>2</sub>-N CERMET  
ULTRADENSE ARTICLES FOR THE COKE AND BY-PRODUCT  
ULTRAMICROTOMY: A NOVEL TECHNIQUE FOR PREPARING  
ULTRASONIC AND DIELECTRIC CHARACTERISATION OF  
ULTRASONIC CHARACTERISATION OF ZIRCONIA-TOUGHENED  
USE OF ALUMINA-COATED SiC WHISKERS IN PREPARATION OF  
USE OF AN ORGANOSILANE COUPLING AGENT IN COLLOIDAL  
USE OF FERROELECTRIC HYSTERESIS PARAMETERS FOR  
USE OF MAGNETIC CHROMITE PARTICLES IN PARTIAL QUANTITY  
USE OF WHISKERS AND SIMILAR REINFORCEMENTS IN METAL  
VARIATIONS IN MICROSTRUCTURE AND COMPOSITION OF INDIUM  
VARISTOR PROPERTIES AND MICROSTRUCTURE OF ZnO-BaO  
VINYLPHOSPHONIC ACID-MODIFIED CALCIUM ALUMINATE AND  
WET FORMING, SINTERING BEHAVIOUR, AND DIELECTRIC  
WET SYNTHESIS AND CHARACTERISATION OF MODIFIED  
WETTING OF Si<sub>3</sub>N<sub>4</sub> BY THE LIQUID Cr-CONTAINING ALLOYS  
WETTING OF TITANIUM CARBIDE BY PURE LIQUID Cu, Ag AND  
XPS ANALYSIS OF GRINDING SOLVENT EFFECT FOR SURFACE  
X-RAY DIFFRACTION STUDIES ON VARIATIONS IN  
Y-FIBRES AND THIN FILMS VIA SOL-GEL-PROCESSING  
YTRIA STABILISED ZIRCONIA (Y-TZP) FOR BIOMEDICAL  
ZIRCONIA TOUGHENED ALUMINA WITH ORIENTED MECHANICAL  
ZIRCONIA TOUGHENED CERAMICS IN THE MgAl<sub>2</sub>O<sub>4</sub> SYSTEM  
ZIRCONIA-TOUGHENED CARBIDE PARTICULATE COMPOSITES  
ZIRCONIUM GLAZES WITH REDUCED CONTENT OF B<sub>2</sub>O<sub>3</sub>  
ZrO<sub>2</sub>-DOPED BaTiO<sub>3</sub>: MICROSTRUCTURE AND ELECTRICAL  
ZrO<sub>2</sub>-Co<sub>2</sub>O<sub>3</sub> ALLOYS AS CANDIDATE STRUCTURAL MATERIALS FOR

## MICROSTRUCTURES

## SILICA NANOPARTICLES

## MICROWAVE

ROLE OF BiO<sub>3</sub> IN OPTIMISING THE DIELECTRIC PROPERTIES

76-02515A  
76-02516A  
76-07976C  
76-04399A  
76-04837C  
76-07346A  
76-08078C  
76-08079C  
76-09271A  
76-07347A  
76-02517A  
76-06508A  
76-01295A  
76-04030C  
76-02018C  
76-08591C  
76-04172A  
76-05688C  
76-02019A  
76-02575A  
76-04173A  
76-04172A  
76-02576A  
76-09272A  
76-00140A  
76-08422A  
76-07981A  
76-08596A  
76-0186A  
76-04510C  
76-03107A  
76-00141A  
76-08596A  
76-03445C  
76-06083C  
76-03486C  
76-08958A  
76-04180A  
76-02278C  
76-06086C  
76-03790C  
76-07982A  
76-04181A  
76-07030A  
76-04739C  
76-01788A  
76-01558A  
76-08962C  
76-08962C  
76-06808C  
76-02185P  
76-03791A  
76-08217A  
76-03445C  
76-08218A  
76-01302C  
76-06809C  
76-06088A  
76-06088A  
76-05178A  
76-00540C  
76-02951A  
76-03616A  
76-08536C  
76-04183A  
76-08741C  
76-01891A  
76-04298A  
76-07031A  
76-06867A  
76-00543C  
76-04352C  
76-08303A  
76-08855A  
76-06094A  
76-01659A  
76-02307A  
76-02954C  
76-03621A  
76-08739A  
76-06974A  
76-02521A  
76-04519C  
76-04721C  
76-08870A  
76-08870A  
76-02308C  
76-04190A  
76-04354A  
76-04191A  
76-04055A  
76-04192A  
76-08859A  
76-05080A  
76-08073A  
76-04302A  
76-02523A  
76-06092A  
76-08873A  
76-03299A  
76-04193A  
76-02029C  
76-06541C  
76-07984A  
76-03786A  
76-02524A  
76-05530A  
76-05468A  
76-05030A  
76-06975A  
76-02032A  
76-01791C  
76-01792C  
76-08276C  
76-03091C  
76-03801C  
76-04197C  
76-01859C  
76-08967C  
76-08967C  
76-03524A  
76-05693A  
76-08614A

## STUDIES ON Mn-DOPED BARIUM NANOTITANATE DIELECTRIC MICROWAVE APPLICATIONS

ANHYDROUS BORAX PRODUCTION BY MICROWAVE HEATING  
CHEMISTRY AND MICROWAVE PROPERTIES OF B2O3 DOPED  
FERRITE COMPOSITIONS FOR USE IN A MICROWAVE OVEN  
GaAs MMICs FOR A CRYOGENICALLY COOLED, 80-110 GHz  
JOINT DEVICE INCLUDING SUPERCONDUCTIVE PROBE HEADS FOR  
LOW LOSS, LOW TEMPERATURE COPIED CERAMIC FOR  
MICROSTRUCTURAL UNIFORMITY AND HOMOGENEITY IN ALUMINA  
MODERN TECHNOLOGY IN THE CERAMICS INDUSTRY  
STATUS OF FERRITE TECHNOLOGY FOR HIGH VOLUME MICROWAVE  
SUITABILITY OF SrTiO<sub>3</sub>/Ba<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub>-delta/LaAlO<sub>3</sub> AND  
SUPERCONDUCTING ACTIVE LUMPED COMPONENT FOR MICROWAVE  
MICROWAVE DIELECTRIC MATERIALS

Ba<sub>0.8</sub>Mo<sub>0.2</sub> CERAMICS WITH TEMPERATURE-STABLE HIGH  
CHEMICAL CHARACTERISTICS OF THE COMPOUND  
DETERMINATION OF THE STRUCTURES OF Ba-Ln-Ti-O  
DIELECTRIC CHARACTERISTICS OF Ba(Mg<sub>1/3</sub>Ta<sub>2/3</sub>)O<sub>3</sub>  
DIELECTRIC CHARACTERISTICS OF COMPOSITE CERAMICS IN  
DIELECTRIC PROPERTIES OF (Pb<sub>1-x</sub>Ca<sub>x</sub>)<sub>2</sub>(Zr<sub>1-y</sub>Ti<sub>y</sub>)O<sub>3</sub>  
EFFECT OF Ba<sub>2</sub>O<sub>3</sub> ON THE MICROWAVE DIELECTRIC  
EFFECT OF CHROMIUM ON CHEMICALLY AND CONVENTIONALLY  
EFFECTS OF ADDITIVES ON MICROWAVE CHARACTERISTICS OF  
EFFECTS OF WO<sub>3</sub> ADDITION ON THE MICROWAVE DIELECTRIC  
INFLUENCE OF STRUCTURAL DEFECTS ON THE DIELECTRIC  
LOW-TEMPERATURE SYNTHESIS OF Ba(Mg<sub>1/3</sub>Ta<sub>2/3</sub>)O<sub>3</sub> CERAMICS  
MICROSTRUCTURE AND DIELECTRIC PROPERTIES OF  
MICROWAVE DIELECTRIC CERAMICS IN THE SYSTEM  
MICROWAVE DIELECTRIC PROPERTIES OF  
MICROWAVE DIELECTRIC RESONATORS BASED ON  
ON THE LOSS OF PbO DURING FIRING OF  
REACTION KINETICS, SINTERING CHARACTERISTICS, AND  
STRUCTURAL ORDER IN Ba(Zn<sub>1/3</sub>Ta<sub>2/3</sub>)O<sub>3</sub>, Ba(Zn<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3</sub>

## MICROWAVE PROCESSING

INFLUENCE OF HEAT TREATMENT ON CREEP BEHAVIOUR OF A  
METHOD AND APPARATUS FOR PRODUCING GEL PARTICLES  
METHOD FOR HEATING AND FORMING A GLASS SHEET  
METHOD FOR MICROWAVE PROCESSING OF HIGH-TEMPERATURE  
MICROWAVE PROCESSED GLASS COMPOSITE MATERIALS  
MICROWAVE PROCESSING OF A2O3-ZrO2 COMPOSITES  
MICROWAVE PROCESSING OF Ba<sub>2</sub>(Ti<sub>0.8</sub>Bi<sub>0.2</sub>)O<sub>7</sub> CERAMIC  
MICROWAVE-ASSISTED SELECTIVE DEOXYGENATION OF LAYER-  
MICROWAVE-HYDROTHERMAL PROCESSING OF LAYERED ANION  
PLASMA ETCH EQUIPMENT  
PROCESS FOR USING MICROWAVE PLASMA CVD  
RAPID THERMAL ANNEALING OF ION-IMPLANTED Si-SiC BY  
REACTION MECHANISMS AT BATHOS SYNTHESIS BY MICROWAVE  
SOL-GEL AND MICROWAVE PROCESSING OF MULLITE

## MICROWAVE PROPERTIES

CHEMISTRY AND MICROWAVE PROPERTIES OF Bi<sub>2</sub>O<sub>3</sub> DOPED  
EFFECT OF CHROMIUM ON CHEMICALLY AND CONVENTIONALLY  
EFFECTS OF ADDITIVES ON MICROWAVE CHARACTERISTICS OF  
NONDIAMETRIC HIGH-FREQUENCY RESPONSE OF YBCO  
RELATIONSHIP BETWEEN MAGNETIC PROPERTIES AND  
SPECTRAL TRANSMISSION PROPERTY OF A CANTOR-LIKE  
STRUCTURE AND MICROWAVE DIELECTRIC PROPERTIES OF  
VACUUM-BARRIER WINDOW FOR WIDE-BANDWIDTH HIGH-POWER  
MICROWAVE SINTERING

APPLICATION OF MM-WAVE RADIATION FOR PROCESSING OF  
ENHANCED DIFFUSION IN SAPPHIRE DURING MICROWAVE  
MICROSTRUCTURAL DEVELOPMENT DURING THE MICROWAVE  
MICROWAVE ENHANCEMENT - FACT OR FICTION  
MICROWAVE REACTION SINTERING OF ALPHA-BETA-SIALON  
MICROWAVE SINTERING BEHAVIOUR OF ZrO<sub>2</sub>-Y<sub>2</sub>O<sub>3</sub> WITH  
MICROWAVE SINTERING OF ALPHA-BETA-SIALON  
MICROWAVE SINTERING OF AMORPHOUS SILICA POWDERS  
MICROWAVE SINTERING OF TiC-A2O3 COMPOSITE  
RESEARCH ON FINITE ELEMENT MODEL FOR THE MICROWAVE  
SINTERING AND GRAIN GROWTH OF 3 MOL.% YTTRIA ZIRCONIA  
TEMPERATURE PROFILE OF ANATASE-TiO<sub>2</sub> POWDER COMPACT  
TRANSPARENT MULLITE CERAMICS FROM DIAPHRAGM AEROGELS BY  
ULTRASONIC AND DIELECTRIC CHARACTERISATION OF  
V-SHAPED POSITIVE TEMPERATURE COEFFICIENT OF  
MICROWAVES

BREAKTHROUGH IN MICROWAVE DRYING  
CONVENTIONAL- VERSUS MICROWAVE-HYDROTHERMAL LEACHING  
DIELECTRIC AND RAMAN SPECTROSCOPY OF MWCD DIAMOND  
DIELECTRIC PROPERTY MEASUREMENTS FOR CERAMIC  
DRYING SANITARYWARE USING A COMBINATION OF MICROWAVES  
DUAL FUEL DRYING OF CERAMICS  
FEASIBILITY OF MICROWAVE DRYING CERAMIC TILE  
FORMATION OF REACTION-BONDED SILICON NITRIDE USING  
HIGH GROWTH RATE HOMOEPIAXIAL DIAMOND FILM DEPOSITION  
HIGH-TEMPERATURE SUPERCONDUCTING THIN-FILM  
MADE REACHES TUNNEL KILN STAGE  
METHOD FOR PRODUCING SYNTHETIC DIAMOND THIN FILM, THE  
METHOD OF PREPARING THERMAL INSULATION FOR  
MICROWAVE ENHANCED SLIP CASTING OF ADVANCED CERAMICS  
MICROWAVE JOINING OF ALUMINA TO MAGNESIA  
MICROWAVE JOINING OF HIGH-PURITY ALUMINA  
MICROWAVE SINTERING OF SOL-GEL DERIVED ABRASIVE GRAIN  
MICROWAVE-ASSISTED FIRING OF CERAMICS  
MICROWAVE-ASSISTED SELECTIVE DEOXYGENATION OF LAYER-  
PLASMA ENHANCED MICROWAVE JOINING  
PREPARATION AND CHARACTERISATION OF Y-SYSTEM  
STUDY ON SYNTHESIS AND CHARACTERISATION OF (Ti,Sr)C

## MILITARY APPLICATIONS

ARMOUR CERAMICS BALLISTIC EFFICIENCY EVALUATION  
DURABILITY ASPECTS OF ARMOURING WITH CERAMIC TILES  
FAILURE OF CERAMIC-FIBRE-REINFORCED PLASTIC COMPOSITES

## MILLING

AMORPHISATION OF GRAPHITE INDUCED BY MECHANICAL  
APPLYING ATTRITION DRY MILLING TO CONTINUOUS AND BATCH  
BALL MILLING OF BARIUM FERRITE IN AIR AND VACUUM  
BIOLOGICALLY ACTIVE COMPOSITION  
CALCULATION OF THE DIMENSIONAL UNIFORMITY DEGREE FOR  
CHARACTERISATION AND LOW-TEMPERATURE SINTERING OF  
CHEMICAL ANALYSES OF MECHANOCHEMICAL REACTION PRODUCTS  
COLLOIDAL PROCESSING AND FRACTURE STRENGTH OF ALUMINA  
COMMINUTION OF WHITE FUSED ALUMINA AND WEAR OF  
CONTINUOUS CONICAL MILL IN THE GRINDING OF CERAMIC RAW  
COPY-MILLED ALUMINOUS CORE CERAMIC CROWNS: A CLINICAL  
CRYSTALLISING GLASS IN RESISTOR PASTES FOR AIR  
DEFORMATION OF SEMIDRY MIXTURES PREPARED IN AN  
DEGRADATION OF DISPERSANT DURING MILLING  
EQUIPMENT FOR FINE CRUSHING OF CERAMIC MATERIALS  
FABRICATION AND SINTERING OF FINE YTTRIA-DOPED CERIA  
FINE STRUCTURE OF MILLED AIR POWDER  
FORMATION OF ZIRCONIUM NITRIDE VIA MECHANOCHEMICAL  
GLAZES FROM PRE-MILLED RAW MATERIALS  
GREEN MACHINING OF GELCAST CERAMIC MATERIALS  
INFLUENCE OF ADDITIONAL MECHANIC ENERGY ON HIGH

76-00985A

76-08344A

76-07099A

76-08015P

76-03197C

76-01104P

76-03074C

76-06145A

76-06464A

76-00977C

76-03612C

76-05801P

76-05636A

76-07880C

76-08269C

76-05367A

76-03048A

76-07890C

76-05646A

76-03372C

76-03379C

76-05653A

76-00746C

76-00709A

76-05673A

76-07941C

76-03408A

76-05674A

76-03409A

76-03095A

76-07975A

76-06237A

76-07813C

76-08336P

76-03638P

76-02654A

76-06462A

76-06463A

76-01970A

76-06463A

76-03819P

76-04659P

76-04488A

76-05889C

76-05896C

76-00799C

76-03372C

76-03379C

76-03574C

76-03482A

76-08847C

76-00737C

76-00797P

76-07873C

76-09152A

76-08532A

76-01245C

76-08700A

76-01968A

76-08701A

76-08536A

76-01969C

76-04491A

76-04162A

76-04183A

76-06180A

76-03299A

76-03448A

76-05823A

76-05987A

76-03047A

76-08818C

76-03695A

76-08146A

76-03703A

76-01752A

76-06602P

76-05777P

76-03862A

76-02109P

76-02130P

76-01244A

76-05874A

76-06875A

76-05937P

76-01404A

76-01970A

76-03745C

76-01878A

76-04505A

76-04741C

76-01743A

76-06838A

76-01156A

76-06378A

76-03672A

76-02048P

76-05971C

76-03862A

76-08649A

76-01584A

76-01177A

76-03679A

76-03690A

76-08135A

76-04423A

76-07189C

76-08137A

76-03985A

76-05842A

76-07434A

76-05849C

76-04255A

76-00596A

76-05854A

76-05859C

INFLUENCE OF SLIP PREPARATION PROCEDURES ON THE  
MECHANISMS OF Al AND TITANIA HYDROGEL COMPLEX  
METHOD FOR FORMING AN IMPROVED FIELD ISOLATION  
METHOD FOR PREPARING CERAMIC MIXED-OXIDE MATERIALS  
METHOD OF MAKING CEMENTED CARBIDE ARTICLES AND THE  
METHOD OF PREPARING GLASS MICROFIBRES FOR USE IN  
OPTIMISATION OF BALL MILL GRINDING, PT.1.  
PREPARATION OF FINE AIR POWDERS BY WET BALL-MILLING  
PROCESS FOR MANUFACTURING A HEAT-INSULATING MATERIAL  
PROCESSING OF DIATOMITE WITH THE VIEW TO DEVELOPING  
PROCESSING OF QUARTZ AND FELDSPAR FOR THE CERAMICS  
PRODUCTION OF ALPHA ALUMINA  
RAPID PARTICLE SIZE REDUCTION WITHOUT INTRODUCING INTO  
RHEOLOGY OF WATER-BASED ZIRCONIA SLIPS  
SINTERED SIC AND METHOD OF MAKING  
STABILISATION OF AQUEOUS SUSPENSIONS OF ZIRCONIA  
SYNTHESIS OF CALCIUM SILICATE HYDRATE WITH Ca/Si = 2  
SYNTHESIS OF PYROCHLORE-FREE 0.9 PwMg<sub>1/3</sub>Nb<sub>2/3</sub>O<sub>3</sub>-0.1  
SYNTHESIS OF ZrSiO<sub>4</sub> POWDERS BY THE SOL-GEL PROCESS -  
ULTRA-FINE GRINDING IN ECCENTRIC VIBRATORY MILLS  
ULTRAFINE MILLING OF CERAMICS  
WEAR BEHAVIOUR OF ALUMINA AND SIALON IN LINE CONTACT

## MILLS

COMMINUTION OF WHITE FUSED ALUMINA AND WEAR OF  
CONTINUOUS CONICAL MILL FOR THE GRINDING OF CERAMIC  
CONTINUOUS CONICAL MILL IN THE GRINDING OF CERAMIC RAW  
DISPERSER FOR CERAMIC POWDERS  
EQUIPMENT FOR FINE CRUSHING OF CERAMIC MATERIALS  
OPTIMISATION OF BALL MILL GRINDING, PT.2. APPLICATION  
RAPID PARTICLE SIZE REDUCTION WITHOUT INTRODUCING INTO  
ULTRAFINE CERAMIC AND REFRACTORY MINERAL PROCESSING IN  
ULTRAFINE CERAMIC AND REFRACTORY MINERAL PROCESSING IN  
ULTRA-FINE GRINDING IN ECCENTRIC VIBRATORY MILLS  
ULTRAFINE MILLING OF CERAMICS  
ULTRAFINE PREPARATION OF GLAZES FOR FAST FIRING IN  
USE OF CONTINUOUS CONICAL MILL IN THE GRINDING OF  
WELL-MAINTAINED ROLLER MILL - THE BRICK MAKER'S GOOD

## MINERAL

PROCESSING OF QUARTZ AND FELDSPAR FOR THE CERAMICS  
MINERAL PROCESSING  
IMPROVED HIGH-INTENSITY MAGNETIC SEPARATION FOR  
LATEST DEVELOPMENTS IN CHINESE KAOLIN PROCESSING  
MINERAL LITHIUM CARBONATE - METAMORPHOSIS FOR LITHIUM  
PROCESSING OF INDUSTRIAL MINERALS BY SELECTIVE  
PRODUCTION OF MINERAL MIXTURES WITH ALPINE WET  
SIGNIFICANCE OF TEXTURAL AND STRUCTURAL PROPERTIES OF  
ULTRAFINE CERAMIC AND REFRACTORY MINERAL PROCESSING IN  
ULTRAFINE CERAMIC AND REFRACTORY MINERAL PROCESSING IN

## MINERALISERS

EFFECT OF MINERALISERS ON THE SINTERING OF MgO  
INFLUENCE OF MINERALISERS ON THE SINTERING OF

## MINERALOGICAL COMPOSITION

STUDY ON MINERALOGICAL AND PHYSICAL CHANGES IN USED  
MINERALOGICAL PROPERTIES

## MINERALS

29Si AND 17O NMR INVESTIGATION OF THE STRUCTURE OF  
BENEFICIATION OF ALUMINATE KALINS  
BRAZIL - DANCING TO A NEW TUNE  
BRAZILIAN MINING, ORDER AND PROGRESS - AT LAST  
CATODOLUMINESCENCE (CL) PROPERTIES OF REFRACTORY RAW  
CMR, COMPANY PROFILE  
CONSTRUCTION RAW MATERIALS  
DUNITE OF THE IOKO-DONYRENSK MASSIF  
FOUNDRY MINERALS. RECYCLING: THE NEW NAME OF THE GAME  
FRENCH INDUSTRIAL MINERALS OVERVIEW  
HEAT-RESISTANT CERAMICS BASED ON  
HIGH-TEMPERATURE ELECTRICAL CONDUCTIVITY OF FeTiO<sub>3</sub> AND  
INDONESIAN MINERAL SANDS  
INDONESIA "WHERE ANYTHING CAN BE ARRANGED"  
INDUSTRIAL MINERAL DEVELOPMENTS IN ISRAEL  
INFRARED SPECTROSCOPY IN CHARACTERISATION OF  
INVESTIGATION OF CARBONATE STRATA OF THE LUCHESKOE  
MATHEMATICAL MODEL OF AN ANALOG RESONANCE APPARATUS FOR  
MINERAL COMPOSITION AND MICROSTRUCTURE OF CLINKER FROM  
MINERAL MARKETS IN THE CERAMIC INDUSTRY: THE TILE  
MINERAL RAW MATERIALS FOR THE INORGANIC CHEMICAL  
MINERALS OF VIETNAM - SAND'S STORY BLACK & WHITE  
OLYNE ROCKS OF THE DEPOSIT OF THE KUZNETSK  
ORIGIN OF MINERAL WASTE (K22/S309) IN GLASS  
QUEBEC ON A MISSION. IN SPECIAL MEETING REPORT  
REFRACTORY RAW MATERIALS. A REVIEW OF 1996  
SEGMENT, TRADING & DISTRIBUTION PROFILE  
SYNTHESIS AND CHARACTER OF  
THERMOSTABLE AND BIOLOGICALLY SOLUBLE MINERAL FIBRE  
TRENDS AND DEVELOPMENTS IN INDUSTRIAL MINERALS FOR  
VIETNAM - TIGER TO BE?  
WESTERN AUSTRALIA'S INDUSTRIAL MINERALS - QUALITY IS

## MINING

BRAZILIAN MINING, ORDER AND PROGRESS - AT LAST  
CLAY AND CHAMOTTE FROM THE NAAB VALLEY  
COST FACTORS IN CLAY MINING: EXPLORATION  
GEOTECHNICAL AND HYDROGEOLOGICAL RISKS IN OPEN-CAST  
INDONESIAN MINERAL SANDS  
INVESTIGATION OF CARBONATE STRATA OF THE LUCHESKOE  
QUEBEC ON A MISSION. IN SPECIAL MEETING REPORT  
RAW MATERIALS BASE OF CENTRAL RUSSIA FOR REFRACTORY  
UNDERGROUND AND OPENCAST MINING AND DEVELOPMENT: NEW

## MIRRORS

ARRAY OF ELECTRODEFLACTIVE ACTUATED MIRRORS AND METHOD  
BASE BODY OF REFLECTING MIRROR AND METHOD FOR THE  
BASE BODY OF A REFLECTING MIRROR AND METHOD FOR THE  
CERAMIC MIRRORS  
COOLED LASER MIRROR MATERIALS  
METHOD OF PRODUCING A COATED GLASS SUBSTRATE  
REFLECTING MIRROR HAVING A SURFACE REFLECTING

## MIXERS

CIRCULAR SCREEN FEEDER: MACHINE FOR SIZE

## MODING

AIR FILTRATION MEDIA  
ALUMINOSILICATES  
BLUE HIGH SILICA GLASS  
CERAMIC COMPOSITION FOR THERMISTOR, THERMISTOR  
COMBUSTION HEAD, IN PARTICULAR FOR GAS BURNERS  
CORDIERITE CERAMIC FILTER  
DIELECTRIC CERAMIC COMPOSITION FOR BOUNDARY LAYER  
FLAME HYDROLYTICALLY PRODUCED TITANIUM DIOXIDE MIXED  
HALOGEN-ACTIVATED CHEMICAL VAPOR DEPOSITION OF DIAMOND  
(Hg Cu)Ba sub2 Ca sub2 Cu sub3 Oy OXIDE SUPERCONDUCTOR  
HIGH POROSITY CALCIUM SILICATE MASS FOR STORING  
HIGH-PRESSURE PHASE BORON NITRIDE SINTERED BODY FOR  
INDISPENSABLE RUDIMENTS OF CALCULATION: MIXING AND  
INFLUENCE OF SLIP PREPARATION PROCEDURES ON THE

76-06329C

76-03986A

76-06366P

76-06845P

76-06869P

76-02686P

76-08190A

76-07362A

76-02150P

76-01989C

76-01276A

76-06756P

76-03362A

76-06336C

76-09130P

76-06171C

76-08972A

76-07362A

76-02025A

76-08224A

76-01309A

76-01314A

76-01177A

76-08534A

76-03680A

76-08135A

76-08144A

76-05843A

76-08191A

76-03763A

76-01307A

76-01306A

76-01306A

76-07397A

76-08224A

76-08225A

76-03800A

76-01276A

76-01226A

76-01498A

76-06031A

76-01275A

76-01275A

76-08414A

76-01307A

76-01308A

76-00426A

76-06130A

76-02948C

76-03831C

76-00015A

76-01161A

76-03922A

76-03673A

76-04357C

76-09303A

76-08473B

76-06997A

76-03958A

76-08373A

76-05262A

76-03391A

76-03392A

76-01484A

76-08378A

76-01489A

76-03975A

76-03975A

76



- INJECTION MOLDABLE CERAMIC AND METALLIC COMPOSITIONS  
LAMINATED GLASS AND PREPARATION THEREOF  
LOW COST MONOLITHIC GALLIUM ARSENIDE UP-CONVERTER CHIP  
METHOD AND APPARATUS FOR ETCHING TITANIUM WITH ORGANIC  
METHOD AND APPARATUS FOR MIXING, SPRAYING, AND PLACING  
METHOD AND APPARATUS FOR WASTE VITRIFICATION  
METHOD FOR MAKING A BaTiO<sub>3</sub> POWDER MIXTURE, THE POWDER  
METHOD FOR MAKING HIGH-PERFORMANCE SELF-REINFORCED  
METHOD FOR MAKING RARE EARTH OXIDE CERAMIC  
METHOD FOR PREPARING CERAMIC MIXED-OXIDE MATERIALS  
METHOD FOR PREPARING ELONGATED-SHAPED SILICA SOL  
METHOD FOR PREPARING LOW-CONCENTRATION  
METHOD FOR PRODUCING CUBIC BORON NITRIDE  
METHOD FOR PRODUCING SUPERCONDUCTING FIBRE  
METHOD FOR STABILISING CERAMIC SUSPENSIONS  
METHOD FOR THE EXTRUSION OF CERAMIC FILTER MEDIA  
METHOD FOR THE PRODUCTION OF IRON CARBIDE  
METHOD FOR WASTE FOR VITRIFICATION  
METHOD OF MANUFACTURING OXIDE SUPERCONDUCTOR  
METHOD OF MANUFACTURING A SINTERED COMPOSITE BODY OF  
METHODS FOR PREPARATION OF TETRAGONAL ZIRCONIA  
METHODS OF PRODUCING CERAMIC FOAMS USING PRECERAMIC  
MODERN MIXING AND GRANULATING PROCESSES FOR THE  
MOULDED ARTICLE BASED ON PZT (Pb(Zr,Ti)O<sub>3</sub>, LEAD
- MOULDED CERAMIC ARTICLES AND PRODUCTION METHOD THEREOF  
Nd-DOPED PLZT PIEZOELECTRIC CERAMICS  
PRECURSORS AND PROCESSES FOR MAKING METAL OXIDES  
PREPARATION OF AMMONIUM RARE EARTH DOUBLE OXALATES AND  
PREPARATION OF SUPERCONDUCTING OXIDES AND OXIDE-METAL  
PROCESS FOR FORMING A SINTERED COMPOSITE BORON CARBIDE  
PROCESS FOR MANUFACTURE OF SiO<sub>2</sub> GRANULES  
PROCESS FOR PREPARING CARBON-CONTAINING REFRACTORY  
PROCESS FOR PREPARING UNIFORM MFI-TYPE ZEOLITE  
PROCESS FOR PRODUCING DENSELY SINTERED Si<sub>3</sub>N<sub>4</sub>  
PROCESS FOR PRODUCING SiC  
PROCESS FOR PRODUCTION OF ALUMINUM HYDROXIDE FROM ORE  
PROCESS FOR PRODUCTION OF ZEOLITES  
PROCESS FOR THE PREPARATION OF LITHIUM ALUMINOSILICATE  
PROCESS FOR THE PREPARATION OF NANODIMENSIONAL  
PROCESS FOR THE PRODUCTION OF CARBON-FILLED CERAMIC  
PROCESS FOR THE PRODUCTION OF VERY FINE-PARTICLE  
PRODUCTION OF CERAMIC MATERIAL POWDER  
PRODUCTION OF CERAMIC STRUCTURAL BODIES  
REACTOR FOR PRODUCING A BORON NITRIDE COMPOSITE  
REINFORCING FIBRE PELLETS  
SENSOR SYSTEM FOR CONTROLLING THE MIXING STATE OF  
SILICA-BASED BINDER  
SUPERCONDUCTIVE CERAMIC COMPOSITE MATERIAL  
SUPERCONDUCTING COMPOUNDS AND PROCESSES FOR PRODUCING  
TETRAETHYL ORTHOSILICATE-BASED GLASS COMPOSITION AND  
U, W, X, Y AND Z-TYPE FERRITES  
ZIRCONIUM/CERMIUM MIXED OXIDE CATALYST/CATALYST SUPPORT
- MIXTURES**  
CALCIUM PHOSPHATE HYDROXYAPATITE PRECURSOR AND METHODS  
DRYING SHRIKAKI CEMENT MIXTURE  
EFFECT OF DIE MATERIAL IN MOLDING EQUIPMENT ON  
HARDENING COMPOSITION FOR EARTH BORING BITS  
HIGH-PRESSURE ARC DISCHARGE LAMP HAVING BARIUM HAFNATE  
LITHIUM MANGANESE OXIDE COMPOUND AND METHOD OF  
METHOD FOR PREPARING A BORON NITRIDE COMPOSITE  
METHOD OF TREATING STEEL MILL WASTE  
MODIFIED SUBSTRATE SURFACE AND METHOD  
MONOLITHIC HEAT-INSULATING LININGS WITH CELLULAR  
OPTIMISING GLAZE TRANSPARENCY BY DESIGN  
PROCESS FOR PREPARING A THIN FERROELECTRIC OR  
PROCESS FOR PRODUCING ALPHA-ALUMINA FIBRES  
PROCESS OF PRODUCING SINTERED MATERIALS BASED ON  
REDUCTION OF NITROGEN CONTAINING GLASS BATCH MATERIALS  
SILICA ABRASIVE DENTIFRICE OF REDUCED STRINGINESS AND  
SUPERFINE MICROEMULSIONAL BIOCHEMICAL MIXTURE AND  
SYNTHESIS OF MICROPOROUS CERAMICS  
ZEOLITE SYNTHESIS WITH AMINO ACID DIRECTING AGENTS
- MOBILITY**  
EFFECT OF STRUCTURAL DEFECTS AND CHEMICAL IMPURITIES  
ELECTRONIC PROPERTIES OF GATED delta-DOPED  
INFLUENCE OF THE SUBSTRATE BASES ON THE  
INTRINSIC MOBILITY LIMITS OF A TWO-DIMENSIONAL  
P-TYPE CONDUCTIVITY WITH A HIGH-LOE MOBILITY IN CUBIC  
SIMPLE METHOD TO EXTRACT THE LENGTH DEPENDENT MOBILITY  
STUDY OF THE MOBILITY OF POLY(METHYL
- MODEL**  
COMPUTER MODEL FOR DIRECT CARBONATE FUEL CELLS  
SOL-GEL KINETICS FOR THE PREPARATION OF
- MODELING**  
MODELING OF MASS AND ENERGY TRANSPORT IN H<sub>2</sub> PLASMA
- MODELLING**  
MODELLING, SINTERING, MICROSTRUCTURE, AND MECHANICAL
- MODELS**  
3D MODELLING OF 100% OXYGEN COMBUSTION IN GLASSMAKING  
ADHESION TO MODEL SURFACES IN A FLOW THROUGH SYSTEM  
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DEMONSTRATION OF Y<sub>2</sub>BaCuO<sub>5</sub> PARTICLE SEGREGATION IN  
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- 76-02086P  
76-05197P  
76-05553P  
76-03020P  
76-02477P  
76-01333P  
76-07494P  
76-09039P  
76-02041P  
76-06845P  
76-04592P  
76-09046P  
76-06850P  
76-08089P  
76-09052P  
76-09054P  
76-09056P  
76-01335P  
76-08097P  
76-09069P  
76-02131P  
76-09075P  
76-01247C  
76-07393P  
76-04629P  
76-04630P  
76-03459P  
76-02144P  
76-09068P  
76-08097P  
76-06725P  
76-08099P  
76-05306P  
76-09106P  
76-09110P  
76-09112P  
76-01344P  
76-06746P  
76-02161P  
76-09115P  
76-09118P  
76-09119P  
76-06757P  
76-06758P  
76-06759P  
76-02693P  
76-00520A  
76-06765P  
76-01133P  
76-03625P  
76-05203P  
76-04685P  
76-06794P
- 76-02050P  
76-02036P  
76-03700A  
76-08751P  
76-02082P  
76-06618P  
76-05717P  
76-04623P  
76-00178P  
76-00485A  
76-00618A  
76-05880A  
76-04649P  
76-06754P  
76-05200P  
76-06820P  
76-02658P  
76-02182P  
76-04693P
- 76-03180A  
76-03190A  
76-03190A  
76-07615C  
76-07676C  
76-03281C  
76-06523C
- 76-05351C  
76-06521C
- 76-04469A
- 76-04140C
- 76-08121A  
76-01860C  
76-06824A  
76-00389C  
76-02699C  
76-06258C  
76-02591A  
76-07536C  
76-02243A  
76-02702A  
76-07537C  
76-06267C  
76-04362C  
76-08882C  
76-04363A  
76-05348C  
76-04746C  
76-03835C  
76-08808A  
76-06800C  
76-01392A  
76-06267C  
76-00020A  
76-03512A  
76-03514A  
76-03515A  
76-03092C  
76-04754C  
76-03837C  
76-04756C  
76-07554C  
76-02081C  
76-09218C  
76-06994C  
76-01053A  
76-08814A
- DEPENDENCE OF T<sub>c</sub> ON CARRIER CONCENTRATION IN HIGH-T<sub>c</sub>  
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MODELLING OF DEPARAFFINATION OF INJECTION MOULDED  
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- 76-03518A  
76-03881A  
76-04761C  
76-03889A  
76-02843C  
76-05838C  
76-04428A  
76-06949A  
76-06881A  
76-03845A  
76-04366A  
76-01926C  
76-08889A  
76-08321A  
76-04766C  
76-00427C  
76-05216A  
76-02720C  
76-08274A  
76-09192A  
76-01205A  
76-09149C  
76-04103A  
76-09150C  
76-04020C  
76-08155A  
76-08112A  
76-02724C  
76-09195A  
76-05845C  
76-07581C  
76-02725C  
76-05217A  
76-02727C  
76-05845C  
76-07912C  
76-08316C  
76-02644A  
76-07583C  
76-06882C  
76-03542A  
76-00101A  
76-01400A  
76-01218C  
76-02745C  
76-02870A  
76-05139A  
76-01225A  
76-04455A  
76-02743C  
76-03215A  
76-01482A  
76-07608C  
76-08906A  
76-02743C  
76-01229A  
76-05813C  
76-04128A  
76-00282A  
76-02645C  
76-02503A  
76-00106A  
76-03974A  
76-02747C  
76-03235A  
76-03235A  
76-03894A  
76-02439A  
76-05873A  
76-05007A  
76-03235A  
76-04799C  
76-03662A  
76-07757P  
76-06872P  
76-03662A  
76-04139C  
76-02293A  
76-03567A  
76-04379A  
76-07384A  
76-05817C  
76-05183A  
76-04811C  
76-01836A  
76-03895A  
76-03568A  
76-04812C  
76-03080A  
76-07208A  
76-06147C  
76-02175C  
76-09179C  
76-00120C  
76-03568A  
76-03247A  
76-00048A  
76-03570A  
76-04813C  
76-00484C  
76-01840A  
76-07016A  
76-06032C  
76-03734A  
76-07642C  
76-06251A  
76-01840A  
76-02757C  
76-09254C  
76-07277A  
76-09255C  
76-08188C  
76-02367A  
76-02656A  
76-04814C  
76-04143A  
76-02285A  
76-02509C  
76-08707C  
76-09054A  
76-06919A

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- STRUCTURE OF GaN FILMS GROWN BY MOLECULAR BEAM EPITAXY
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- CERAMIC GELS - POROUS NETWORK STRUCTURE AND
- CERAMIC POWDER SYNTHESIS: HOMOGENEOUS PRECIPITATION BY
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- CHARACTERISATIONS OF ULTRAFINE LASER SYNTHESISED WC
- CHARACTERISTICS OF AEROSOL-SYNTHESISED AIR PARTICLES
- CHARACTERISTICS OF GaN STRIPS GROWN BY SELECTIVE-
- CHEMICAL SYNTHESIS AND CHARACTERISATION OF MgO-Fe
- CHEMICAL VAPOUR DEPOSITION OF SILICON NITRIDE IN A
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- EFFECT OF PARTICLE SIZE AND MORPHOLOGY OF MULLITE
- EFFECT OF PARTICLE SIZE ON THE SINTERING OF
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- EFFECT OF POLYMER ADDITION ON THE STRENGTH OF CARBON
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- EFFECT OF SINTERING TEMPERATURE ON THE STRUCTURE OF
- EFFECT OF SiO<sub>2</sub> AND TiO<sub>2</sub> ADDITION ON THE EXAGGERATED
- EFFECT OF SUSPENSION PROPERTY ON GRANULE MORPHOLOGY
- EFFECTS OF CaO ADDITION ON SINTERING AND MECHANICAL
- EFFECTS OF CONTROLLED-GEOMETRY SINUSOIDAL
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- 76-05843C  
76-09174A  
76-05846C  
76-05849C  
76-06230C  
76-06127C  
76-03957A  
76-01470A  
76-03708C  
76-01877C  
76-04116A  
76-06327C  
76-06016C  
76-06019C  
76-05662C  
76-07918A  
76-08677A  
76-07006C  
76-07607C  
76-07007A  
76-05401A  
76-05663A  
76-07007C  
76-03717A  
76-08518A  
76-01879A  
76-01617A  
76-07006C  
76-04372C  
76-05861C  
76-01021A  
76-01619A  
76-04375A  
76-04373C  
76-03973A  
76-03069C  
76-04130C  
76-04130C  
76-03071C  
76-06028C  
76-04374A  
76-08048A  
76-08072C  
76-05686C  
76-01624A  
76-05871C  
76-02438A  
76-04375A  
76-00047A  
76-06144C  
76-00114C  
76-02121P  
76-04713A  
76-08691A  
76-02900A  
76-02443A  
76-04267A  
76-03968A  
76-04139C  
76-04268C  
76-01965A  
76-01966C  
76-08565A  
76-08718A  
76-02507C  
76-01968A  
76-03080A  
76-03569A  
76-01971C  
76-06033A  
76-06034A  
76-00049A  
76-06148A  
76-06284A  
76-07641C  
76-01505A  
76-06249C  
76-04913A  
76-05881A  
76-03993A  
76-03995A  
76-03083C  
76-08833A  
76-07947A  
76-08547A  
76-02298A  
76-07659A  
76-08836A  
76-04715A  
76-04334A  
76-04472C  
76-03743A  
76-02919C  
76-04386A  
76-04387A  
76-02657A  
76-04146C  
76-07450A  
76-08555A  
76-04390A  
76-03996C  
76-08557A  
76-06332A  
76-08199A  
76-02562A  
76-08193A  
76-01883A  
76-08929A  
76-08713A  
76-00129C  
76-01950C  
76-04153C  
76-04478A  
76-05885A  
76-05679A  
76-03998A  
76-06497A
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THIN FILMS OF HEXAGONAL FERRITES ON SI PREPARED USING  
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ZIRCONIA-YTTRIA GRANULES SPRAY DRIED FROM WATER AND
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- ON THE TENSILE RELAXATION OF MASONRY  
OPTIMISATION OF HIGH STRENGTH LESTONE FILLER CEMENT  
PREFABRICATED BRICKWORK: APPLICATION OF THIN LAYER  
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SISAL FIBRE REINFORCED SOIL BLOCK MASONRY  
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MODELLING THE EFFECT OF GAS TRAPPING ON THE FORMATION  
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PREFABRICATED BUILDING ELEMENTS BASED ON PGO GYPSUM  
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RAPID NONTXIC NITRIDING OF MOULDS AND PARTS OF  
VENTILATING ROOF TILES  
MOULDS  
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APPARATUS FOR AND METHOD FOR BENDING GLASS SHEETS  
APPARATUS FOR AND METHOD OF BENDING GLASS SHEETS  
APPARATUS FOR FORMING WIDE MOUTH GLASSWARE  
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METHOD OF MAKING A CERAMIC DIE  
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STRUCTURAL EVOLUTION OF MULLITE GELS  
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STUDY OF TRANSITION METAL ION DOPED MULLITE BY  
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METHOD OF MAKING MULTILAYER DISTORTED-LATTICE  
METHOD OF MAKING MULTILAYERED CERAMIC SUBSTRATES  
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METHOD OF MANUFACTURING MULTILAYER CERAMIC ELECTRONIC  
METHOD OF MANUFACTURING A MULTILAYERED CERAMIC CIRCUIT  
METHOD OF MANUFACTURING MULTILAYERED CERAMIC CIRCUIT  
METHOD OF MANUFACTURING A MULTILAYERED WIRING  
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MULTILAYER CERAMIC CHIP CAPACITOR  
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YSV DIELECTRIC COMPOSITION  
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76-04690P  
76-01723P  
76-05520P  
76-04211P  
76-03325P  
76-07664C  
76-03162A  
76-07579C  
76-03285C  
76-01904A  
76-08875C  
76-04408C  
76-09211C  
76-09114C  
76-01914C  
76-05980C  
76-08351A  
76-02247A  
76-09339P  
76-02250A  
76-09215C  
76-08138C  
76-06383A  
76-08279P  
76-02270A  
76-08226A  
76-08369A  
76-01932A  
76-08279P  
76-06417C  
76-08372A  
76-03472C  
76-04256A  
76-09095C  
76-06019C  
76-04710A  
76-02278A  
76-04459A  
76-09240A  
76-08775A  
76-08380A  
76-01962A  
76-08003A  
76-08829C

- MEASUREMENT AND ROLE OF RESIDUAL STRESSES IN MECHANICAL PROPERTIES OF ALUMINA-METAL-ZIRCONIA METAL-CERAMIC NANOCOMPOSITES BY SOL-GEL PROCESSING OF MICROSTRUCTURE AND MECHANICAL BEHAVIOUR OF 3Y-TZP/Mo MICROSTRUCTURE AND MECHANICAL PROPERTIES OF MICROSTRUCTURE OF Al<sub>2</sub>O<sub>3</sub>-ZrO<sub>2</sub> NANOCOMPOSITES PREPARED MOLECULAR STATE AND MECHANICAL PROPERTIES OF EPOXY NANOLAYER ORDERING IN AN EPOXY-EXFOLIATED CLAY HYBRID NEUTRON DIFFRACTION DETERMINATION OF RESIDUAL STRESSES NEW HIGH DIELECTRIC STRENGTH MATERIALS: NOVEL NAFION/OMOSIL HYBRIDS VIA IN SITU SOL-GEL NAFION PROCESSING ROUTE FOR ALUMINA/SIC NANOCOMPOSITES OPTICAL INHOMOGENEITIES IN SOL-GEL DERIVED CERAMICS OXIDATION-INDUCED TIGHTENING AND STRENGTHENING OF POLYMER-CLAY NANOCOMPOSITES: FREE-RADICAL GRAFTING OF PREPARATION OF Al<sub>2</sub>O<sub>3</sub>/Mo NANOCOMPOSITE POWDER VIA PREPARATION OF A NANOCOMPOSITE OF POLYPROPYLENE AND PREPARATION OF NANOSIZE WC-Co COMPOSITE POWDERS BY PREPARATION OF NANOSTRUCTURED COMPOSITES OF TITANIUM PRESSURELESS SINTERING AND ELASTIC CONSTANTS OF PROCESSING AND PROPERTIES OF ALUMINA-SILICON CARBIDE PROCESSING, MICROSTRUCTURE AND HIGH TEMPERATURE REPLY TO 'COMMENTS ON PHYSICAL LIMITATIONS OF THE RESIDUAL STRESSES AND APPARENT STRENGTHENING IN SIC NANOPARTICLE-REINFORCED Al<sub>2</sub>O<sub>3</sub> MATRIX COMPOSITES: Si<sub>3</sub>N<sub>4</sub> AND Si<sub>3</sub>N<sub>4</sub>/C NANOCOMPOSITE POWDERS - PLASMA SILICON CARBIDE PARTICLE SIZE EFFECTS IN ALUMINA-BASED SLIP CASTING NANOMETRE-SIZED POWDERS SOL-GEL GAMMA-RADIATION SYNTHESIS OF TITANIA-SILVER STUDIES ON THE STRUCTURE AND PROPERTIES OF STUDY OF NANOCOMPOSITES OBTAINED BY CARBONISATION OF SYNTHESIS AND PROCESSING OF ZnS:GaP NANOCOMPOSITES SYNTHESIS OF A NANOPHASE, WHISKER-REINFORCED SYNTHESIS OF NANOSTRUCTURED MATERIALS BY MECHANICAL TAILORING OF THERMOMECHANICAL PROPERTIES OF THERMAL SHOCK RESISTANCE OF SiO<sub>2</sub>/SiC NANOCOMPOSITES TiC METAL NACROUS STRUCTURES AND THEIR FRACTURE VANADIUM OXIDE POLYPYRROLE NANOCRYSTALLINE NANOCOMPOSITES WEI CHEMICAL SYNTHESIS OF NANOCOMPOSITE POWDERS IN THE X-RAY PHOTOELECTRON SPECTROSCOPY CHARACTERISATION OF NANOCRYSTALLINE MATERIALS CHEMISTRY AND STRUCTURE OF CHEMICALLY-DERIVED COMMERCIALISATION ISSUES IN SUPERPLASTIC FORMING OF CONSOLIDATION OF NANO-CRYSTALLINE ZrO<sub>2</sub> DENSE AND POROUS, ULTRAFINE GRAINED OR NANOSTRUCTURED ENVIRONMENTALLY INERT NANO-CRYSTALLINE MATERIALS FABRICATION OF SILICON CARBIDE NANOCERAMICS GAS-PHASE COMBUSTION SYNTHESIS OF TITANIUM BORIDE HIGH-PRESSURE SINTERING OF NANOCRYSTALLINE GAMMA-Al<sub>2</sub>O<sub>3</sub> INFLUENCE OF GRAIN SIZE ON THE OXYGEN ION CONDUCTIVITY MECHANICAL ALLOYING OF NANOCRYSTALLINE VSi<sub>2</sub>/SiC METHOD FOR PRODUCING RARE EARTH ACTIVATED METAL OXIDE MICROSTRUCTURE OF NANOSIZED TiO<sub>2</sub> OBTAINED BY SOL-GEL MICROSTRUCTURES OF SUPERPLASTIC NANOCRYSTALLINE NANOCRYSTALLISATION OF Co<sub>3</sub>Zr<sub>6</sub>Tf GLASSES PHOTOCURRENT LOSSES IN NANOCRYSTALLINE NANOPOROUS TiO<sub>2</sub> PROCESSING AND PROPERTIES OF NANOSTRUCTURED Ni-ZrO<sub>2</sub> SINTERING AND GRAIN GROWTH BEHAVIOUR OF NANOSTRUCTURED SINTERING OF NANOPHASE GAMMA-Al<sub>2</sub>O<sub>3</sub> POWDER STRUCTURE, DENSITY AND PROPERTIES EVOLUTION OF SYNTHESIS OF YTTRIA-STABILISED ZIRCONIA NANOPARTICLES THIN FILMS BY CONSOLIDATION AND SINTERING OF X-RAY DIFFRACTION AND MOSSBAUER STUDY OF NANOPARTICLES APPARATUS FOR PRODUCING NANOSCALE CERAMIC POWDERS CONSOLIDATION OF NANO-CRYSTALLINE ALUMINA DENSIFICATION MAPS FOR NANO-SIZED POWDERS EFFECT OF THICKNESS ON H<sub>2</sub> GAS SENSITIVITY OF SnO<sub>2</sub> ELECTRO-SPRAY SYNTHESIS OF TITANIUM OXIDE ENVIRONMENTALLY INERT NANO-CRYSTALLINE MATERIALS HIGH PRESSURE COMPACTING OF NANO-SIZED HYDROTHERMAL PREPARATION OF NANOSIZED CUBIC ZrO<sub>2</sub> INFLUENCE OF ULTRA-DISPERSED PARTICLES ON ELECTRON KINETICS OF SILICON MONOXIDE AMMONIOLYSIS FOR NANOPHASE PARTICLE DYNAMICS SIMULATIONS OF STRUCTURES IN PLASTIC EXTRUSION FORMING OF NANOMETRE SIZE TETRAAGONAL PREPARATION OF BARIUM FERRITE NANOCRYSTALLINE POWDERS PREPARATION OF NANOCRYSTALLINE SiC POWDER BY CHEMICAL PREPARATION OF NANOSIZE WC-Co COMPOSITE POWDERS BY PREPARATION OF NANOSIZED TITANIA POWDER VIA THE PREPARATION OF ZnS AND CdS FINE PARTICLES WITH SILICA NANOPARTICLES SINTERING OF NANO-PARTICLE POWDERS: SIMULATIONS AND SINTERING STUDIES OF NANOPHASE CERAMIC OXIDES USING SMALL ANGLE NEUTRON SCATTERING STUDY OF THE STRUCTURE SOFT CHEMICAL SYNTHESIS AND CHARACTERISATION OF STRUCTURAL AND GAS-SENSING PROPERTIES OF NANOMETRE TiN SYNTHESIS OF YTTRIA-STABILISED ZIRCONIA NANOPARTICLES
- NASICON**  
COMPUTATION OF IONIC CONDUCTIVITY AT NASICON SOLID  
COMPUTATION OF IONIC CONDUCTIVITY IN NASICON SOLID IONIC CONDUCTIVITY AND SINTERABILITY OF NASICON-TYPE PHASE DISTRIBUTION, MICROSTRUCTURE, AND ELECTRICAL PREPARATION OF POROUS GLASS-CERAMICS WITH A SKELETON SELECTIVE SODIUM REMOVAL FROM RADIOACTIVE WASTE SENSORS SYNTHESIS OF SOLID ELECTROLYTE NASICON BY SOLID STATE
- NEODYMIUM**  
CONTROL OF THE Nd<sub>4</sub>Zr<sub>2</sub> SECOND PHASE FOR THE IMPROVEMENT DEEP BLUE MICROLASER EFFECT OF ANNEALING ON THERMAL AND ELECTRICAL FREQUENCY UPCONVERSION IN Nd<sup>3+</sup>-DOPED FLUOROINDATE LASER MACHINING OF GLASS-CERAMIC MATERIALS LOW RESISTANCE BILAYER Nd/Al OHMIC CONTACTS ON n-TYPE (Nd, Ba) sub3 Cu sub3 O sub7-d SUPERCONDUCTOR FILM SIZE EFFECTS ON THE LASER EMISSION OF Nd<sup>3+</sup> IONS IN SPECTRAL AND LUMINESCENCE PROPERTIES OF NEODYMIUM IN STABILISED ZrO<sub>2</sub> TIME-RESOLVED Z-SCAN AND THERMAL LENS MEASUREMENTS IN YELLOW TO VIOLET ENERGY UPCONVERSION IN Nd<sup>3+</sup> DOPED
- NEODYMIUM BARIUM TITANATE**  
SINGLE-PHASE DIELECTRIC COMPOUNDS IN THE BaO-RICH
- NEODYMIUM OXIDE**  
LOW FIRE XTR DIELECTRIC COMPOSITIONS AND CAPACITORS
- NEPHELINE**  
SOL-GEL SYNTHESIS OF HIGH-SILICA MATERIALS FROM
- NETHERLANDS**  
BUILDING WITH CALCIUM SILICATE ELEMENTS EIGHT YEARS OF INNOVATION-DIRECTED RESEARCH PROGRAMMES INNOVATIONS IN THE BRICK LAYING PROCESS ON THE PREFABRICATED BRICKWORK: APPLICATION OF THIN LAYER REPORT: PRINCIPLES AND BACKGROUND OF THE BUILDING
- 76-09242C  
76-02286A  
76-06489C  
76-00116A  
76-08919C  
76-08335A  
76-08585C  
76-04653C  
76-08292C  
76-05424A  
76-08922A  
76-08923C  
76-04382C  
76-09203A  
76-01977A  
76-06049A  
76-04479A  
76-06052A  
76-00130A  
76-06504A  
76-04482C  
76-08941C  
76-02301A  
76-02302A  
76-09268A  
76-06072C  
76-09186A  
76-03774A  
76-08954A  
76-06314C  
76-04027A  
76-04510C  
76-05076A  
76-01299C  
76-03789A  
76-06342C  
76-01894A  
76-05078A  
76-06343A  
76-06097A  
76-07468A  
76-01173C  
76-05831A  
76-06151A  
76-08138C  
76-08156A  
76-04251A  
76-01471A  
76-04170C  
76-03068C  
76-08914C  
76-06653P  
76-06146A  
76-06863C  
76-08779A  
76-05431A  
76-07024C  
76-06167A  
76-02012A  
76-08731C  
76-06176A  
76-06540A  
76-08612A  
76-05959P  
76-08460A  
76-08614A  
76-03054A  
76-03951A  
76-08156A  
76-08151A  
76-01479A  
76-05402C  
76-03978A  
76-08638A  
76-04015A  
76-05727A  
76-03749A  
76-06052A  
76-01984A  
76-08405A  
76-04665P  
76-08953A  
76-01647A  
76-06807A  
76-05448A  
76-03102A  
76-06176A  
76-07414A  
76-04695A  
76-06675A  
76-03072A  
76-00726A  
76-07224A  
76-08117C  
76-01715P  
76-03109A  
76-03510A  
76-04210P  
76-03522A  
76-07128C  
76-02532C  
76-03238A  
76-08092P  
76-07162C  
76-07163C  
76-09131P  
76-07172C  
76-05151A  
76-00971A  
76-03128P  
76-08416A  
76-02410C  
76-09286A  
76-02745C  
76-02764C  
76-08905A
- STRUCTURAL CHANGE IN THE DUTCH VITRIFIED CLAY BRANCH  
**NEURAL NETWORKS**  
PREDICTION OF GLASS FORMING REGION IN THE Si<sub>3</sub>N<sub>4</sub>-Si<sub>3</sub>Al<sub>2</sub>O<sub>5</sub>-N  
**NEUTRON**  
SHORT-RANGE ORDER IN SOLID SOLUTIONS OF NITROGEN IN  
**NEUTRON DIFFRACTION**  
BEYOND THE TOLERANCE FACTOR: HARNESSING X-RAY AND DIELECTRIC CONSTANT, THERMAL EXPANSION AND NEUTRON MEASUREMENT AND ROLE OF RESIDUAL STRESSES IN NEUTRON DIFFRACTION DETERMINATION OF RESIDUAL STRESSES NEUTRON DIFFRACTION MEASUREMENTS OF THERMAL RESIDUAL NEUTRON DIFFRACTION OBSERVATIONS OF FERROELASTIC NEUTRON DIFFRACTION STUDIES OF RESIDUAL STRESS IN NEUTRON DIFFRACTION STUDY OF STRUCTURAL DISTORTIONS IN POWDER NEUTRON DIFFRACTION STUDY OF LMHVO<sub>4</sub> SHORT-RANGE AND MEDIUM-RANGE ORDER IN LITHIUM SILICATE STRUCTURAL CHEMISTRY OF SrMn<sub>1-x</sub>FexO<sub>3</sub>-DELTA, x STUDY OF THE ORDER-DISORDER TRANSITION IN  
**NEUTRON SCATTERING**  
MESOSCOPIC STRUCTURE OF SiC FIBRES BY NEUTRON AND  
**NEW ZEALAND**  
KAOLIN AND HALLOYSITE: ASEAN RESOURCES AND TRADE  
**NICKEL**  
Cr/Mu OHMIC CONTACTS TO THE MODERATELY DOPED p- AND DEVELOPMENT OF A TEST CELL FOR THE DIRECT OBSERVATION DIFFUSION CONSTANTS AND SOLUBILITY VALUES OF Co<sub>2</sub> AND IMPROVED Ni OHMIC CONTACT ON n-TYPE 4H-SiC IMPROVEMENT OF CELL COMPONENTS FOR A LONG LIFE MCFC METHOD FOR MAKING HIGH-VOLTAGE HIGH-SPEED GALLIUM Ni FERRITE AND CORE MADE OF Ni FERRITE FOR POWER NICKEL-MANGANESE OXIDE SINGLE CRYSTALS PROCESS FOR PRODUCING FINELY DIVIDED INTERMETALLIC AND PROPERTIES OF THE SURFACE OF A TITANIUM ALLOY ENGINE SINTERED CERAMIC FOR HIGH-STABILITY THERMISTORS AND SOLID-OXIDE FUEL CELLS HAVING NICKEL AND SYNTHESIS OF TITANATES MTiO<sub>3</sub> (M=Mn,Co,Ni) BY THE  
**NICKEL ALUMINATE**  
BEHAVIOUR OF NICKEL ALUMINATE SPINEL UNDER REDUCING  
**NICKEL ALUMINIDE**  
NiAl DIFFUSION COATINGS ON INCONEL 738 USING A  
**NICKEL ALUMINUM HYDROTALCITE**  
EFFECT OF COMPOSITION ON THE PHYSICO-CHEMICAL  
**NICKEL CHROMITE**  
MODIFIED NICKEL CHROMITE AS AN ELECTRODE MATERIAL IN  
**NICKEL IRON NITRIDE**  
PREPARATION AND CHARACTERISATION OF GAMMA'-Ni<sub>3</sub>Fe  
**NICKEL MANGANITE**  
AGEING STUDY OF NICKEL MANGANITES NEGATIVE TEMPERATURE  
**NICKEL OXIDE**  
ALTERNATIVE ROUTES FOR FORMATION OF POROUS NiO MCFC CATHODES IN MOLTEN CARBONATE FUEL CELLS: MATHEMATICAL COMPARISON OF AVAILABLE SHORTING MODELS FOR THE MCFC PREPARATION OF HIGH-TEMPERATURE CERAMIC CIRCUIT BOARD ELECTROCHEMICAL INTERCALATION OF OXYGEN IN FUNCTIONING OF THE NiO/LiCoO<sub>2</sub>-DOUBLE-LAYER CATHODES OF FUTURE TRENDS IN MULTI-LAYER CERAMIC CAPACITORS HYDROTHERMAL SYNTHESIS OF IRON AND NICKEL OXIDES WITH IN SITU OXIDATION BEHAVIOUR OF Ni AND Ni-Co ALLOY IN MAGNETIC HEAD HAVING CaO-TiO<sub>2</sub>-NiO CERAMIC WITH SOLID OXIDE FUEL CELLS SOLUBILITY OF IN SITU OXIDIZED NiO IN (Li<sub>2</sub>Na)<sub>2</sub>CO<sub>3</sub> MELTS SPECTROSCOPIC MEASUREMENTS RELATIVE TO THE NICKEL THIN FILM DIODE HAVING LARGE CURRENT CAPABILITY WITH  
**NICKEL SULPHIDE**  
SYNTHESIS OF NICKEL SULPHIDE POWDERS BY THIOACETAMIDE  
**NIOBATES**  
(1-x)Pb(Mg<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3</sub>-xPb(Fe<sub>1/2</sub>Nb<sub>1/2</sub>)O<sub>3</sub> POWDERS BY CHARACTERISATION AND PROPERTIES OF THE COMPARISON OF X-RAY PATTERNS AND RAMAN SPECTRA OF n- AND p-TYPE POLYCRYSTALLINE MATERIALS TEMPERATURE COEFFICIENT OF THE METHOD FOR MANUFACTURING A DIELECTRIC CERAMIC MICROWAVE DIELECTRIC RESONATORS BASED ON PHOTO-LUMINESCENCE OF LAYERED PEROVSKITE OXIDES WITH POTASSIUM LITHIUM TANTALATE NIOBATE PHOTOREFRACTIVE ROLE OF ORDERED A-SITE VACANCIES IN BELT NANO-DOMAINS SOLID-STATE SYNTHESIS OF STRONTIUM TITANATE NIOBATES STRUCTURAL AND DIELECTRIC PROPERTIES OF  
**NIOBIUM**  
CrB<sub>2</sub>-NbB<sub>2</sub> CERAMIC MATERIALS CrB<sub>2</sub>-NbB<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub> and Cr<sub>2</sub>NbB<sub>2</sub>/SiC CERAMIC COMPOSITE METHOD OF FABRICATING PLZT PIEZOELECTRIC CERAMICS NIOBIUM-CONTAINING ZEOLITES PAULI PARAMAGNETIC EFFECT AND PARALLEL CRITICAL FIELD  
**NIOBIUM CARBIDE**  
MECHANISM FOR REACTIVE DIFFUSION BETWEEN Si SINGLE  
**NIOBIUM NITRIDE**  
FABRICATION METHOD OF SUPERCONDUCTING QUANTUM  
**NIOBIUM PENTOXIDE**  
DIELECTRIC CERAMIC COMPOSITION SOL-GEL ELECTROCHROMIC COATINGS  
**NITRATE**  
STRUCTURAL RELAXATION IN A MOLTEN SALT PROBED BY  
**NITRITATION**  
ATTRACTIVE WAY TO HEAL SURFACE DEFECTS OF SOME CARBIDE CHARACTER OF INITIAL STAGES OF THE GaN EPITAXIAL GROWTH BY COMPOSITE CERAMIC DIRECT NITRITATION OF SILICON POWDER IN EFFECT OF SAPPHIRE NITRITATION ON GaN BY MOVCD EFFECT OF THE NITRITATION OF THE SAPPHIRE(0001) FEATURES OF INITIAL STAGES OF THE GaN EPITAXIAL GROWTH BY FIELD EFFECT NITRITATION INCLUDING SILICON OXIDE FILM FORMATION OF SiO<sub>2</sub> DURING THE DIRECT NITRITATION OF Si IN SITU SURFACE NITRITATION OF ZrO<sub>2</sub> CERAMICS KINETIC AND THERMODYNAMIC STUDIES ON THE INCORPORATION OF NITROGEN INTO THE SURFACING SILICON LAYER METHOD FOR SYNTHESIZING TITANIUM NITRIDE WHISKERS METHOD OF NITRITATION OF TITANIUM THIN FILMS NEW SILICOTHERMAL ROUTE TO THE FORMATION OF X-PHASE NITRITATION OF SILICON UNDER HIGH CARBON ACTIVITY ELIMINATION OF ZIRCONIA PROCESS FOR FABRICATING A HIGH VOLTAGE MOS TRANSISTOR STM OBSERVATION OF NITRIDED-Ga ON Si STUDY ON PROCESS FACTORS OF FINE Si<sub>3</sub>N<sub>4</sub> CONTINUOUSLY SYNTHESIS OF OXYNITRIDE POWDERS VIA FLUIDISED-BED THERMAL PLASMA TREATMENT OF TITANIUM CARBIDE POWDERS.  
**NITRIDES**  
CARBON NITRIDE AND ITS SYNTHESIS COATED CEMENTED CARBIDE MEMBER COATED GRINDING TOOL COLOUR DISPLAY DETECTOR COMPARISON OF ICI AND ICP FOR DRY ETCHING OF III COMPOSITE ULTRAFINE PARTICLES OF NITRIDES, METHOD FOR
- 76-00363A  
76-08712A  
76-01782A  
76-08256C  
76-00891A  
76-05242C  
76-08335C  
76-08293C  
76-08543A  
76-06331A  
76-09182A  
76-03038A  
76-02570A  
76-03484A  
76-00738A  
76-03986A  
76-08379A  
76-07552C  
76-05366C  
76-05368C  
76-03219A  
76-05399C  
76-05567P  
76-05745P  
76-09081P  
76-06738P  
76-00769P  
76-07524P  
76-07527P  
76-06533C  
76-05337C  
76-00123A  
76-01595A  
76-05419C  
76-04283A  
76-03031C  
76-05331C  
76-05341C  
76-05348C  
76-00769P  
76-06300C  
76-05392C  
76-05393A  
76-06128C  
76-05403C  
76-06196P  
76-05151P  
76-05451C  
76-05452C  
76-05629P  
76-08959A  
76-03356A  
76-07877A  
76-09170A  
76-05717P  
76-05499P  
76-05674A  
76-07951A  
76-06364P  
76-03969A  
76-05685A  
76-00980A  
76-04550P  
76-06582P  
76-05717P  
76-06700P  
76-03581A  
76-02200A  
76-08078P  
76-07476P  
76-03436C  
76-05148A  
76-01728A  
76-08347A  
76-05747P  
76-06221C  
76-07568C  
76-07570C  
76-04451P  
76-00829P  
76-04253A  
76-09016P  
76-06137A  
76-04111P  
76-09053P  
76-04619P  
76-08703A  
76-04273A  
76-08037P  
76-07831P  
76-07895C  
76-06273A  
76-04043A  
76-08743A  
76-06553P  
76-08925P  
76-03804P  
76-03304P  
76-04451P  
76-02064P

- CONTACT METAL DIFFUSION BARRIER FOR SEMICONDUCTOR DEFECT REDUCTION IN THE GROWTH OF GROUP III NITRIDES  
DEPOSITING MULTIPLE LAYER OPTICAL COATINGS USING AN DEVICE ISOLATION METHOD OF SEMICONDUCTOR DEVICE  
ELECTROCHEMICAL DEVICES COMPRISING LITHIUM NITRIDE ELECTRODE STRUCTURE AND METHOD FOR FABRICATING THE EPROM CELL WITH A READILY SCALABLE INTERPOLY  
ESD PROTECTION DEVICE FOR ANTIFUSERS WITH TOP FIELD EFFECT TRANSISTOR INCLUDING SILICON OXIDE FILM  
FLUIDISED BED REACTOR FOR PREPARING METAL NITRIDE  
GROWTH OF GAN TERNARY SOLUTIONS BY ORGANOMETALLIC HIGH TENSILE NITRIDE LAYERS  
I-VI GROUP COMPOUND SEMICONDUCTOR DEVICE METALLIC INCOMPLETE SOLUBILITY IN NITRIDE ALLOYS  
INTEGRATED CIRCUIT FABRICATION USING A METAL SILICIDE JOINING NITRIDE CERAMICS  
LOW-STRAIN LASER STRUCTURES WITH GROUP III NITRIDE  
MAGNETIC RECORDING MEDIUM AND ITS FABRICATION METHOD  
MANUFACTURE OF SEMICONDUCTOR DEVICE WITH FIELD OXIDE  
MBE GROWTH OF II-VI NITRIDE FILMS AND QUANTUM WELL  
METHOD FOR COATING METAL DISK SUBSTRATES FOR  
METHOD FOR DISPERSING CERAMIC MATERIAL IN AN AQUEOUS  
METHOD FOR FABRICATING ISOLATION REGION FOR A  
METHOD FOR FABRICATING A PLANAR FIELD OXIDE REGION  
METHOD FOR FABRICATION OF A NONSYMMETRICAL TRANSISTOR  
METHOD FOR FORMING FIELD OXIDE HAVING UNIFORM  
METHOD FOR FORMING FIELD OXIDE OR OTHER INSULATORS  
METHOD FOR FORMING FIELD OXIDE REGIONS  
METHOD FOR FORMING A NONDEGRADING REFLECTIVE COATING  
METHOD FOR FORMING REFRACTORY METAL NITRIDE FILM  
METHOD FOR FORMING A SEMICONDUCTOR DEVICE ELECTRODE  
METHOD FOR ISOLATING SEMICONDUCTOR ELEMENTS  
METHOD FOR LOCAL OXIDATION OF SILICON (LOCOS) FIELD  
METHOD FOR MAKING AN EPROM WITH THERMAL OXIDE  
METHOD FOR MANUFACTURING GATE OXIDE CAPACITORS  
METHOD FOR REDUCING OXIDE THINNING DURING THE  
METHOD FOR GROWTH OF NITRIDE BASED SEMICONDUCTORS  
METHOD OF DEPOSITING THIN NITRIDE LAYER ON GATE OXIDE  
METHOD OF ETCHING AN OXIDE LAYER  
METHOD OF FORMING CONDUCTIVE AMORPHOUS NITRIDE BARRIER  
METHOD OF FORMING A FIELD OXIDE FILM IN A  
METHOD OF FORMING INSULATING FILMS, CAPACITANCES, AND  
METHOD OF FORMING A METAL WIRE IN A SEMICONDUCTOR  
METHOD OF FORMING NITRIDE SIDEWALLS HAVING SPACER FEET  
METHOD OF FORMING A POLYSILICON RESISTOR USING AN  
METHOD OF MAKING ALUMINA ABRASIVE GRAIN HAVING A METAL  
METHOD OF MAKING AN ANTIFUSE CELL WITH TUNGSTEN  
METHOD OF MAKING CONDUCTIVE AMORPHOUS NITRIDE BARRIER  
METHOD OF MAKING A CRYSTALLINE MULTILAYER STRUCTURE AT  
METHOD OF MAKING NONUNIFORMLY NITRIDED GATE OXIDE  
METHOD OF MAKING SEMICONDUCTOR DEVICE WITH FLOATING  
METHOD OF MAKING SEMICONDUCTOR DEVICE WITH METAL  
METHOD OF MAKING A SILICON CARBIDE SEMICONDUCTOR  
METHOD OF MAKING A SUBSTRATE OF A CERAMIC MATERIAL  
METHOD OF MANUFACTURING NONVOLATILE SEMICONDUCTOR  
METHOD OF MANUFACTURING A SEMICONDUCTOR ACCELEROMETER  
METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE HAVING  
METHOD OF PRODUCING A SILICON CARBIDE SEMICONDUCTOR  
MODIFIED WURTZITE STRUCTURE OXIDE COMPOUNDS AS  
MOVING BED PROCESS FOR CARBOTHERMALLY SYNTHESIZING  
MULTISTEP CHEMICAL VAPOR DEPOSITION METHOD FOR  
NITRIDE BASED SEMICONDUCTOR DEVICE AND MANUFACTURE  
NITRIDE LAYER DISCHARGING LAMP  
NONLINEAR OPTICAL MATERIAL AND METHOD OF PRODUCING THE  
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- 76-07736P  
76-08995P  
76-08688P  
76-05537P  
76-03125P  
76-03308P  
76-05489P  
76-04563P  
76-07741P  
76-03807P  
76-04450A  
76-06050P  
76-03314P  
76-07608C  
76-00836P  
76-00108P  
76-03318P  
76-08017P  
76-00838P  
76-07631C  
76-06631P  
76-02104P  
76-05558P  
76-07760P  
76-07763P  
76-07765P  
76-05563P  
76-07766P  
76-01701P  
76-07381P  
76-07768P  
76-00064P  
76-07767P  
76-04587P  
76-07774P  
76-07775P  
76-06732P  
76-07786P  
76-02114P  
76-04799P  
76-05580P  
76-07301P  
76-03328P  
76-07797P  
76-07502P  
76-04965P  
76-07754P  
76-03137P  
76-06873P  
76-07806P  
76-05686P  
76-05587P  
76-04611P  
76-06677P  
76-07811P  
76-07812P  
76-07814P  
76-05599P  
76-05595P  
76-06698P  
76-02135P  
76-05998P  
76-05600P  
76-07821P  
76-05601P  
76-07824P  
76-07518P  
76-06716P  
76-08091P  
76-08092P  
76-07832P  
76-05724P  
76-08640P  
76-04656P  
76-06751P  
76-02163P  
76-05607P  
76-07860P  
76-07849P  
76-07853P  
76-07856P  
76-07857P  
76-07860P  
76-07811P  
76-08290P  
76-06776P  
76-07701C  
76-07705C  
76-03500P  
76-03501P  
76-04674P  
76-08025P  
76-07714C
- 76-03149A  
76-04430A  
76-04449A  
76-04453A  
76-07620C  
76-02093P  
76-07780P  
76-01702P  
76-00847P  
76-07649C  
76-02093P  
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76-07830P  
76-02162P  
76-04488A  
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76-07707C  
76-07713C
- 76-03270A  
76-03908P  
76-03193C  
76-02358A  
76-06687P  
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- 76-03836C  
76-02723C  
76-02746C  
76-01300A  
76-00663C  
76-05921A  
76-01348C  
76-03826A  
76-02971A  
76-08262A  
76-03827C  
76-01350C  
76-03832C  
76-03833C  
76-03834C  
76-08810C  
76-05925A  
76-03837C  
76-03696A  
76-01355A  
76-01356C  
76-05644A  
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76-08275A  
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76-07134A  
76-05951P  
76-02443A  
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76-03853A  
76-06331A  
76-03855A  
76-05935C  
76-03856A  
76-03857A  
76-01372C  
76-03858C  
76-06306C  
76-03860C  
76-03861A  
76-01377A  
76-03861A  
76-04293C  
76-03864C  
76-08301A  
76-05947A  
76-01390P  
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76-05083P  
76-02832A  
76-02835A  
76-02836A  
76-00430A  
76-02878A  
76-00471C  
76-01146C  
76-02893A  
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76-01148A  
76-08253C  
76-03657C  
76-03658B  
76-06660A  
76-03861C  
76-08522A  
76-08178A  
76-01146C  
76-05816A  
76-08115C  
76-08116A  
76-03663C  
76-08720C  
76-07335A  
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76-07661C  
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76-03411C  
76-04385C  
76-03264A  
76-07671C  
76-07147A  
76-06485C  
76-08556A  
76-06364P  
76-01900P  
76-02619C  
76-06488A  
76-08930A  
76-07153A  
76-00261A  
76-04392A  
76-01530A  
76-02660A  
76-08935A  
76-06499A  
76-08502A  
76-03264A  
76-08405A  
76-02566A  
76-03426A  
76-00263A  
76-02619C  
76-06334A  
76-00815A  
76-01849A  
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76-02619C  
76-02622A  
76-07157A  
76-06516A  
76-05894A  
76-02619A  
76-03436C  
76-04500A  
76-03777C  
76-04502C  
76-06401A  
76-07164A  
76-08847C  
76-05147A  
76-02626C  
76-07698C  
76-07699C  
76-07700C  
76-08587A  
76-07167A  
76-06488A  
76-02328A  
76-05529A  
76-03440A  
76-04117A  
76-07243A  
76-06434A  
76-04512A  
76-04181A  
76-03289A  
76-04050C  
76-00143A  
76-08964C  
76-05077A  
76-05446A  
76-08587A  
76-08588C  
76-03113A  
76-04056A  
76-07176A  
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- 76-05521A  
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76-07989P  
76-05529A  
76-08107P  
76-07533C  
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76-03570A  
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76-06532C  
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76-03506A  
76-02069P  
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76-03683A  
76-02212A  
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76-08041A  
76-01688P  
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76-08044A  
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76-04382C  
76-04384C  
76-04385C  
76-04501C  
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76-05300P  
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76-05400C  
76-06022A  
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76-07754P  
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76-07020P  
76-08457C  
76-05275A  
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76-06821P  
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76-02237A  
76-06816A  
76-09199A  
76-05065A  
76-06967A  
76-00496C  
76-04276A  
76-04277A  
76-06817C  
76-06818A  
76-05389P  
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76-01513A  
76-08708A  
76-09202A  
76-09203A  
76-07085C  
76-08053A  
76-02240P  
76-02518A  
76-09203A  
76-06822P

- PARALINEAR OXIDATION OF CVD SIC IN WATER VAPOUR  
PASSIVE-OXIDATION KINETICS OF HIGH-PURITY SILICON  
PHOTOCATALYST AND METHOD FOR PREPARING THE SAME  
POLY-BUFFER-057 OCOS  
POROUS SILICON CARBIDE (SIC) SEMICONDUCTOR DEVICE  
POST-GATE LOCOS  
PREPARATION AND ELECTROCHEMICAL OXIDATION OF THIN-FILM  
PREPARATION OF BARIUM IRON OXIDES BY THE OXIDATION OF  
PREPARATION OF SUPERCONDUCTING OXIDES AND OXIDE-METAL  
PROCESS FOR PRODUCING MOLYBDATE CARBONATE FUEL CELLS  
PRODUCTION AND PROPERTIES OF ALUMINUM  
RECLAMATION PROCESS FOR TUNGSTEN CARBIDE AND  
SEMICONDUCTOR DEVICE MANUFACTURING METHOD INCLUDING  
SEMICONDUCTOR PROCESSING METHOD OF FORMING FIELD OXIDE  
SEMICONDUCTOR PROCESSING METHODS OF FORMING STACKED  
SILICON CARBIDE BIPOLAR SEMICONDUCTOR DEVICE WITH  
SILICON CARBIDE LOCOS PROCESS USING ENHANCED THERMAL  
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WET AND SALT CORROSION OF A POROUS Si2N2O-ZrO2  
WET OXIDATION OF AlxGa1-xAs: ARSENIC BARRIERS ON THE  
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**OXIDATION RESISTANCE**  
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ALUMINO-BORON-NITRIDE CERAMICS FOR HIGH-TEMPERATURE  
ANTIOXIDATIVE PROTECTIVE COATINGS FOR CARBON MATERIALS  
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BEHAVIOUR OF ANTIOXIDANTS ADDED TO CARBON-CONTAINING  
BEHAVIOURS OF VARIOUS KINDS OF CARBON IN  
CERAMIC COMPOSITE MATERIAL WITH HIGH HEAT-RESISTANT  
CERAMIC COMPOSITION FOR THERMISTOR AND THERMISTOR  
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COATINGS TO INHIBIT OXIDATION ON RSC KILN FURNITURE  
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CONCEPT OF FUNCTIONALLY GRADED MATERIALS FOR ADVANCED  
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DEVELOPMENT OF Si-Ti-C FIBRE REINFORCED SIC  
EFFECT OF ADDITIVES ON THE PROPERTIES AND FORMATION OF  
EFFECT OF GRAPHITE QUALITY ON OXIDATION AND CORROSION  
EFFECT OF STARTING MATERIALS CHARACTERISTICS ON  
EFFECT OF TYPE OF RARE EARTH OXIDE ADDITIVE ON THE  
EFFECT OF WISKER DIAMETER ON MECHANICAL PROPERTIES  
ELABORATION, MICROSTRUCTURE AND PROPERTIES OF TANTALUM  
ENHANCEMENT OF MECHANICAL PROPERTIES OF CERAMIC  
HIGH TEMPERATURE STRENGTH AND OXIDATION BEHAVIOUR OF  
IMPROVED R-SIC MATERIAL FOR CYCLICAL USE AT HIGH  
IMPROVEMENT IN FLOWABILITY, OXIDATION RESISTANCE AND  
IMPROVEMENT OF OXIDATION RESISTANCE AND EROSION  
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IMPROVEMENT OF OXIDATION RESISTANCE OF RESIN BONDED SN  
INFLUENCE OF OXIDIC ADDITIVES ON THE MICROSTRUCTURE  
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MoSi2-BETA' SIAION PARTICULATE CERAMIC COMPOSITE  
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OXIDATION BEHAVIOUR OF Si-SiC AT HIGH TEMPERATURE  
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RAW BATCH FOR PRODUCING REACTION-BONDED SILICON  
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SILICON CARBIDE FIBRES FROM GEL SPINNING  
STEADY-STATE GROWTH OF NO SCALE ON CERIA-COATED  
SYNTHESIS OF STABLE SUPPORTS CONSISTING OF SiC-Si  
THERMAL STABILITY OF A PCS-DERIVED SiC FIBRE WITH A  
TITANIUM NITRIDE/CARBON COATINGS ON GRAPHITE FIBRES  
TOTAL AQUEOUS PROCESSING OF CARBOTHERMALLY PRODUCED  
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DIPOLAR ORGANIC/FERROELECTRIC OXIDE HYBRIDS  
FABRICATION METHOD OF SEMICONDUCTOR INTEGRATED CIRCUIT  
JOSEPHSON JUNCTION IN A WIRING PATTERN OF A  
METHOD OF FABRICATING OXIDE SUPERCONDUCTING FILMS BY  
METHOD OF MAKING SEMICONDUCTOR DEVICE WITH FLOATING  
METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE ISOLATION  
MICRON SCALE PATTERNING OF SOLUTION-DERIVED CERAMIC  
PROCESS FOR PREPARING A LAYERED STRUCTURE CONTAINING  
YELLOW TO VIOLET ENERGY UPCONVERSION IN Nd3+ DOPED  
**OXIDES**  
ARTICLE COMPRISING EXCHANGE-COUPLED MAGNETIC MATERIALS  
BI-DIRECTIONAL BLOCKING ACCUMULATION-MODE TRENCH POWER  
BIPOLAR AND BiCMOS STRUCTURES  
BLACK WASH FOR PRODUCING MOULD COATINGS  
CALCULATION OF THE DIMENSIONAL UNIFORMITY DEGREE FOR  
CATALYST AND METHOD FOR DENITRIFICATION OF NITROGEN  
CATALYTIC CRACKING UTILIZING A CATALYST COMPRISING  
CEMENT ADDITIVES  
CEMENT COMPOSITION AND ITS USE FOR THE PREPARATION OF  
CERAMIC COATING-FORMING AGENT AND PROCESS FOR THE  
CERAMIC COMPOSITION FOR THERMISTOR  
CERAMIC COMPOSITION FOR THERMISTOR, THERMISTOR  
CERAMIC HOT-GAS FILTER  
CERAMIC INCLUDING ALUMINA AND A COMPLEX OXIDE  
CERAMIC OXIDE CIRCUIT BOARD  
CERAMIC OXIDE COMPOUNDS  
CHARACTERISATION OF CERAMIC MATERIALS USING  
CHARGING RACK FOR FIRING OBJECTS COMPOSED OF CERAMIC  
COATED HARD ALLOY TOOL  
COATED TOOL AND CUTTING PROCESS  
COMBUSTION ACCELERATORS, PROCESSES FOR THEIR  
COMPLEMENTARY MIS SEMICONDUCTOR DEVICE OF DUAL GATE  
COMPOSITE CERAMIC  
COMPOSITE DIELECTRIC PASSIVATION OF HIGH DENSITY  
COMPOSITE OXIDE HAVING OXYGEN-ABSORBING AND -DESORBING  
COMPOSITIONS AND METHODS FOR WASTE TREATMENT  
COUNTERFLOW DIFFUSION FLAME SYNTHESIS OF CERAMIC OXIDE  
CRITICAL MAGNETIC FIELDS OF AMORPHOUS SUPERCONDUCTORS  
CYD PROCESS FOR FABRICATING LAYERED SUPERLATTICE  
DESIGN AND PROCESSING OF ALL-OXIDE COMPOSITES  
DETECTION OF CRYPTOSPORIDIUM PARVUM IN ANTIBODY-DOPED  
DEVELOPMENT OF STRUCTURE IN BARIUM-ALUMINA CERAMICS  
76-08710A  
76-04280A  
76-08083P  
76-06123P  
76-00861P  
76-06716P  
76-05765C  
76-04004A  
76-01123P  
76-04654P  
76-08716A  
76-06823P  
76-05617P  
76-05621A  
76-07861P  
76-05623P  
76-04738A  
76-06769P  
76-04234A  
76-00534C  
76-04296A  
76-09142P  
76-09206A  
76-03302C  
76-09207A  
76-09190A  
76-01725A  
76-08643C  
76-06812C  
76-02903A  
76-01438C  
76-02812C  
76-04535P  
76-00753P  
76-02803A  
76-05952A  
76-04543P  
76-02492A  
76-05247A  
76-06566C  
76-00442C  
76-02852C  
76-00433C  
76-06224C  
76-04706A  
76-08670C  
76-06875P  
76-08657A  
76-07307A  
76-00454A  
76-02874A  
76-04733A  
76-02878A  
76-02879A  
76-05267A  
76-08648C  
76-00472C  
76-04904A  
76-06617P  
76-09198A  
76-02803A  
76-03137P  
76-05276A  
76-06250A  
76-02917C  
76-06294A  
76-04737C  
76-09201A  
76-06043C  
76-00209A  
76-08204A  
76-06250A  
76-00554P  
76-08948C  
76-08266C  
76-05201P  
76-06073A  
76-04739C  
76-06090A  
76-09205A  
76-04300A  
76-05642C  
76-00828P  
76-01105P  
76-01115P  
76-05586P  
76-00854P  
76-06460C  
76-01125P  
76-05151A  
76-08014P  
76-07730P  
76-08020P  
76-04528P  
76-05971C  
76-04530P  
76-08331P  
76-06977P  
76-02469P  
76-06351P  
76-05472P  
76-00854P  
76-05189P  
76-06560P  
76-06561P  
76-02058P  
76-01814C  
76-08238P  
76-02528P  
76-00155P  
76-01680P  
76-05534P  
76-05574P  
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76-04544P  
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- METHOD OF MANUFACTURING A BIPOLAR TRANSISTOR OPERATING METHOD OF MANUFACTURING CORE IMPLANTED SEMICONDUCTOR METHOD OF MANUFACTURING FET SEMICONDUCTOR DEVICES WITH METHOD OF MANUFACTURING FIELD EFFECT TRANSISTOR METHOD OF MANUFACTURING NONVOLATILE SEMICONDUCTOR METHOD OF MANUFACTURING SELF-ALIGNED BIT-LINE DURING METHOD OF MANUFACTURING A SEMICONDUCTOR ACCELEROMETER METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE HAVING
- METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE METHOD OF MANUFACTURING A THIN FILM TRANSISTOR HAVING A METHOD OF MANUFACTURING A THIN-FILM TRANSISTOR IN METHOD OF PREPARING OXIDE HIGH-TEMPERATURE METHOD OF RETAINING MELT OF OXIDE METHOD TO FORM A CAPACITOR HAVING MULTIPLE PILLARS FOR MICROMACHINING MINUTE HOLLOW USING NATIVE OXIDE MICROWAVE-ASSISTED SELECTIVE DEOXYGENATION OF LAYER-MIXED OXIDE HIGH INDEX OPTICAL COATING MATERIAL AND MIXED OXIDES  $\text{SiO}_2\text{-ZrO}_2$  AND  $\text{SiO}_2\text{-TiO}_2$  BY A MOVED GROWTH OF GEL FILMS ON LATTICE-MATCHED OXIDE MODERN HIGH-DENSITY OXIDE CERAMICS WITH CONTROLLED
- MODIFIED WURTZITE STRUCTURE OXIDE COMPOUNDS AS MOSFET DEVICE HAVING CONTROLLED PARASITIC ISOLATION MULTILAYERED CONDUCTIVE FILM, AND TRANSPARENT NANOMETRIC SI-BASED OXIDE POWDERS: SYNTHESIS BY LASER NICKEL-MANGANESE OXIDE SINGLE CRYSTALS NITROUS OXIDE DECOMPOSITION USING A SOLID OXIDE NONSTOICHIOMETRY OF ZIRCONIUM OXIDE NONVOLATILE SEMICONDUCTOR MEMORY DEVICE AND ITS NONVOLATILE SEMICONDUCTOR MEMORY DEVICE AND METHOD OF NONVOLATILE SEMICONDUCTOR MEMORY DEVICE WITH IMPROVED NOVEL APPROACH FOR DRAWING OPTICAL FIBRES FROM ON THE NATURE OF AMORPHOUS OXIDE OPTIMISATION OF CERAMIC SLURRIES BY ESA MEASUREMENT OPTOELECTRONIC FERROELECTRIC SENSOR AND SIGNAL ORGANISING A RELATIONAL SYSTEM OF DATABASES FOR PHASE OXIDE SUPERCONDUCTING FILM MANUFACTURING APPARATUS OXIDE SUPERCONDUCTING TRANSDUCER IN CRYSTAL SHAPED OXIDE SUPERCONDUCTING WIRE AND SUPERCONDUCTING OXIDE SUPERCONDUCTIVE WIRE AND PROCESS FOR OXIDE SUPERCONDUCTOR AND METHOD FOR PRODUCING THE SAME OXIDE SUPERCONDUCTOR THIN FILM PREPARED BY MBE OXIDE-COATED SILICON CARBIDE MATERIAL AND METHOD OF OXYGEN RANDOM WALK IN OXIDE LATTICE PACKING DENSITY FOR FLASH MEMORIES BY USING A PAD Pb-BI-CONTAINING HIGH-DIELECTRIC CONSTANT OXIDES USING PECD METHOD OF DEPOSITING FLUORINE DOPED OXIDE USING PHOTOVOLTAIC OXIDE CHARGE MEASUREMENT PROBE TECHNIQUE PLASMA CERAMICS - PROPERTIES AND APPLICATIONS PLASMA ETCH EQUIPMENT POLY-BUFFERED LOCOS PREPARATION OF DEHYDROXYLATED SUPPORTS PREPARATION OF SUPERCONDUCTING OXIDES AND OXIDE-METAL PREPARATION OF  $\text{YBaCuO}$  SUBSTRATE OXIDE AMOXIDATION PREVENTION OF FLUORINE-INDUCED GATE OXIDE DEGRADATION PROCESS FOR CLEANING A SURFACE OF THIN FILM OF OXIDE PROCESS FOR FABRICATING A CUP-SHAPED DRAM CAPACITOR PROCESS FOR FABRICATING A SUPERCONDUCTING CIRCUIT PROCESS FOR FABRICATING OF SUPERCONDUCTING WIRING PROCESS FOR FORMING A BLACK OXIDE ON ALUMINIUM ALLOYS PROCESS FOR FORMING OXIDE SUPERCONDUCTING FILMS WITH A PROCESS FOR MAKING IMPROVED MOS STRUCTURE WITH HOT PROCESS FOR MAKING JOSEPHSON JUNCTIONS PROCESS FOR MAKING MULTILEVEL INTERCONNECTIONS OF PROCESS FOR PREPARING AN AMORPHOUS ULTRAHARD MATERIAL PROCESS FOR PREPARING CARBON-CONTAINING REFRACTORY PROCESS FOR PREPARING A HIGH-TC SUPERCONDUCTOR AS A PROCESS FOR PREPARING A LAYERED SUPERCONDUCTING PROCESS FOR PRODUCTION OF A MAGNETIC HEAD PROCESS FOR STRIPPING OUTER EDGE OF BESOI WAFERS PROCESS FOR THE CHEMICAL CLEANING OF METAL COMPONENTS PROCESS FOR THE PRODUCTION OF DIELECTRIC THIN FILMS PROCESS OF FORMING OXIDE SUPERCONDUCTOR POSSESSING PROCESSES FOR MAKING POSITIVE ACTIVE MATERIAL FOR PRODUCTION METHOD OF SINTERED SILICON NITRIDE PROTECTIVE OXIDES IN COAL-FIRED COMBINED CYCLE POWER QUANTUM PERCOLATION METAL-INSULATOR TRANSITION IN HIGH RECESSED SIDEWALL-SEALED AND SANDWICHED POLYBUTYRED REFRACTORY CERAMIC MASS AND ITS USE REPRODUCTION OF PRESSURE-INDUCED STRUCTURAL SCINTILLATING HF4-BASED GLASSES DOPED WITH CERIUM SELECTIVE REDUCTION OF NITROGEN OXIDE WITH PROPYLENE SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF SEMICONDUCTOR DEVICE AND PROCESS FOR FABRICATING SEMICONDUCTOR DEVICE HAVING AN SOI STRUCTURE OF MESA SEMICONDUCTOR DEVICE HAVING A BURIED INSULATED GATE SEMICONDUCTOR DEVICE HAVING A GATE ELECTRODE HAVING A SEMICONDUCTOR DEVICE HAVING ISOLATING REGIONS SEMICONDUCTOR DEVICE HAVING METAL SILICIDE FILM ON SEMICONDUCTOR DEVICE HAVING SOI STRUCTURE AND SEMICONDUCTOR DEVICE INCORPORATING A CONTACT FOR SEMICONDUCTOR DEVICE WITH PAD ELECTRODE SEMICONDUCTOR DEVICE WITH A PAIR OF DUMMY ELECTRODES SEMICONDUCTOR DEVICE WITH REDUCED LEAKAGE CURRENT SEMICONDUCTOR HAVING SELECTIVELY ENHANCED FIELD OXIDE SEMICONDUCTOR MEMORY AND SEMICONDUCTOR DEVICE HAVING SEMICONDUCTOR PROCESSING METHOD OF FORMING FIELD OXIDE SEMICONDUCTOR PROCESSING METHOD OF FORMING A STATIC SEMICONDUCTOR PROCESSING METHODS OF FORMING FIELD SILANE-TREATED INORGANIC PIGMENTS SILICON CARBIDE FIBRES FROM GEL SPINNING SILICON ETCHING METHOD SINGLE BIT ERASE FLASH EPROM SINTERING AND MICROSTRUCTURE OF  $\text{Al}_2\text{O}_3\text{-ZrO}_2$  CERAMICS SINTERING CERAMIC FOR STABLE HIGH-TEMPERATURE SOI SUBSTRATE AND METHOD OF PRODUCING THE SAME SOI SUBSTRATE FABRICATION SOLID OXIDE FUEL CELL STACK STRUCTURE OF A HIGH VOLTAGE TRANSISTOR IN A STUDY ON THE STRUCTURE AND REDUCTION BEHAVIOUR OF THE SUBMICRON BONDED SOI BY TRENCH PLANARIZATION SULPHATED  $\text{SnO}_2\text{-SiO}_2$  SUPRACID CATALYSTS BY SOL-GEL SUPERCONDUCTING ACTIVE LUMPED COMPONENT FOR MICROWAVE SUPERCONDUCTING DEVICE HAVING AN EXTREMELY THIN SUPERCONDUCTING DEVICE HAVING A REDUCED THICKNESS OF SUPERCONDUCTING DEVICE HAVING A SUPERCONDUCTING SUPERCONDUCTING FAULT CURRENT LIMITER SUPERCONDUCTING JUNCTION MATERIAL AND PROCESS OF SUPERCONDUCTING OXIDE THIN FILM DEVICE SUPERCONDUCTING QUANTUM INTERFERENCE DEVICE FORMED OF SUPERCONDUCTING THIN FILM HAVING AT LEAST ONE ISOLATED SUPERCONDUCTIVE DEVICE FOR HELPING SHIELD MAGNETIC SUPERCONDUCTOR ELEMENT AND METHOD OF MANUFACTURING THE SUPERCONDUCTOR/INSULATOR METAL OXIDE HETEROSTRUCTURE
- 76-00783P  
76-07810P  
76-00851P  
76-07877P  
76-07811P  
76-03138P  
76-07812P  
76-07814P  
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76-05591P  
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76-08091P  
76-06690P  
76-07510P  
76-09076P  
76-08537P  
76-06363P  
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76-07638C  
76-08538A  
76-08539A  
76-08540A  
76-05595P  
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76-01508A  
76-09081P  
76-02138P  
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76-07212C  
76-06305A  
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76-05918P  
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76-08094P  
76-08095P  
76-01121P  
76-02139P  
76-04702A  
76-07518P  
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76-08246P  
76-08196A  
76-03819P  
76-06712P  
76-04638P  
76-01123P  
76-09090P  
76-09093P  
76-05795P  
76-03143P  
76-06098P  
76-08099P  
76-07048P  
76-05796P  
76-07833P  
76-03245P  
76-03144P  
76-00013P  
76-05306P  
76-01124P  
76-01126P  
76-08023P  
76-07522P  
76-02539P  
76-00789P  
76-01128P  
76-06755P  
76-02166P  
76-01640A  
76-03598A  
76-05605P  
76-07262P  
76-08787A  
76-07160C  
76-02001A  
76-07842P  
76-07843P  
76-07845P  
76-05614P  
76-05615P  
76-07847P  
76-07848P  
76-07851P  
76-00666P  
76-07854P  
76-07855P  
76-07856P  
76-07857P  
76-05619P  
76-05621P  
76-07858P  
76-07859P  
76-09128P  
76-05201P  
76-09129P  
76-07865P  
76-06168A  
76-08081P  
76-07525P  
76-07526P  
76-00794P  
76-07866P  
76-04170A  
76-04673P  
76-08590A  
76-05801P  
76-01131P  
76-08303P  
76-03649P  
76-01132P  
76-03650P  
76-05804P  
76-03650P  
76-03651P  
76-05808P  
76-01135P  
76-01138P
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- 76-06173A  
76-01551A  
76-08636P  
76-08636P  
76-03291C  
76-06782P  
76-08603A  
76-08604A  
76-04685P  
76-08250P  
76-06181A  
76-03655P  
76-02192P  
76-05635P  
76-08182A  
76-01722P  
76-09144P  
76-04692P  
76-06990A  
76-05191C  
76-08334P  
76-01678P  
76-04544P  
76-06300C  
76-06437C  
76-01702P  
76-09070P  
76-08071P  
76-02689P  
76-06473C  
76-03257A  
76-03141P  
76-06703P  
76-08060P  
76-07837P  
76-05200P  
76-01716P  
76-04674P  
76-01515A  
76-02630A  
76-03538A  
76-00760P  
76-07423A  
76-00707A  
76-08799C  
76-00252A  
76-09157A  
76-07084C  
76-02689P  
76-04043A  
76-07106C  
76-08799C  
76-03344P  
76-07402P  
76-06704P  
76-00209A  
76-06751P  
76-08741C  
76-07567A  
76-08287P  
76-00762P  
76-00774P  
76-00831P  
76-05031P  
76-05573P  
76-03336P  
76-00286A  
76-00663P  
76-09359A  
76-03670C  
76-08032A  
76-02428A  
76-05327C  
76-03492P  
76-03764C  
76-01286A  
76-06851A  
76-06601P  
76-07878A  
76-01836C  
76-01861A  
76-04358A  
76-04366A  
76-01926C  
76-02849C  
76-06298C  
76-08367A  
76-08907A  
76-08908A  
76-01373C  
76-08833A  
76-08837A  
76-03743A  
76-08908A  
76-02483P  
76-08851A  
76-07370A  
76-08497A  
76-01238A  
76-01248C  
76-08008A  
76-06337A  
76-08862P  
76-08738P  
76-05554P  
76-04207P  
76-07036P  
76-08990P

EFFECT OF ADDED ALUMINA ON FELDSPATHIC PORCELAIN  
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ELECTROCONDUCTIVE COMPOSITION AND PROCESS OF  
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A12O3 COMPOSITION, A12O3 MOULDED ARTICLE, A12O3  
ANTIMICROBIAL PARTICLES OF SILVER AND BARIUM SULPHATE  
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MAGNETIC RECORDING MEDIUM  
MAGNETIC RECORDING MEDIUM HAVING A MAGNETIC LAYER  
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MOULDING CONTAINING SiO<sub>2</sub> AEROGEL PARTICLES AND THEIR  
NEARLY MONODISPERSED SINGLE CRYSTAL PARTICLES OF  
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PREPARATION OF AMMONIUM RARE EARTH DOUBLE OXALATES AND  
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PROCESS FOR MAKING ULTRAFINE BARIUM HEXAFERRITE  
PROCESS FOR MAKING ULTRAFINE YTTRIUM-IRON-GARNET  
PROCESS FOR PREPARING CRYSTALLINE CERIC OXIDE

76-07370A  
76-04370C  
76-08594P  
76-08156A  
76-02676P  
76-05732P  
76-05733P  
76-02084P  
76-06847A  
76-01634C  
76-05881A  
76-06045A  
76-02919P  
76-09083P  
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76-09099P  
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76-09120P  
76-08008A  
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76-09130P  
76-04718A  
76-01286A  
76-03485A  
76-04032C  
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76-06095A  
76-08872P

76-04361A  
76-01864A  
76-01353A  
76-01365A  
76-04374C  
76-01886A

76-00378C  
76-03918A  
76-03091A  
76-08760A  
76-04369A  
76-00465C  
76-04373C  
76-06052A  
76-06025A

76-03626P  
76-04953P  
76-08013P  
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76-01860C  
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76-01998P  
76-01582P  
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76-04977C  
76-02074P  
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76-04559P  
76-01206C  
76-09005P  
76-05730P  
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76-09017P  
76-04711A  
76-02474P  
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76-02100P  
76-01240A  
76-09030P  
76-03811P  
76-06648P  
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76-05917P  
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76-06966P  
76-04625P  
76-09078P  
76-01634C  
76-06472C  
76-04143A  
76-03742A  
76-09083P  
76-06706P  
76-01883A  
76-06201P  
76-05489A  
76-09089P  
76-09089P  
76-04638P  
76-08100P  
76-09097P  
76-09089P  
76-02153P

PROCESS FOR PRODUCING Co-COATED ACICULAR MAGNETITE  
PROCESS FOR PRODUCING FINE FLAKY ALUMINA PARTICLES AND  
PROCESS FOR PRODUCING FINE METAL OXIDE PARTICLES  
PROCESS FOR PRODUCING MIXED-CATION ZEOLITES  
PROCESS FOR PRODUCING POWDERS OF TRANSITION METAL  
PROCESS FOR PRODUCING SHAPED BODIES HAVING THERMALLY  
PROCESS FOR QUENCHING MOLDED CERAMIC MATERIAL  
PROCESS FOR THE PREPARATION OF NANODIMENSIONAL  
PROCESS FOR THE PRODUCTION OF ANISOTROPIC FERRITE  
PROSTHESIS USING BIOCOMPATIBLE COMPOSITE MATERIAL  
REFRACTORY BRICK  
RESTRUCTURED IRON OXIDE FOR USE IN IRON OXIDE  
RIGIDIZED REFRACTORY FIBROUS INSULATION  
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SILICA PARTICULATES  
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SINTERING OF ZIRCONIA COATED HYDROXYAPATITE PARTICLES  
SOL-GEL SYNTHESIS OF COLLOIDAL SILICA USING  
SPACECRAFT SHIELD  
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SUPERCONDUCTING WIRE AND COMPOSITE SUPERCONDUCTOR  
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THREE-DIMENSIONAL NETWORK STRUCTURE COMPRISING  
TI02 LIGHT SCATTERING EFFICIENCY WHEN INCORPORATED IN  
TRANSPARENT, ELECTROCONDUCTIVE SUBSTRATE AND METHOD  
TREATING POLYSILOXANE-COATED PIGMENT PARTICLES  
ULTRAFINE PARTICLE COATING ON THE SURFACE OF CERAMIC  
ZEOLITE L PREPARATION

#### PARTICULATES

DENTRIFICE-COMPATIBLE SILICA PARTICULATES

METAL MATRIX COMPOSITE OF AN IRON ALUMINIDE AND  
PROCESS FOR PRODUCING LAYERED CERAMIC PRODUCT  
PROCESS FOR QUENCHING MOLDED CERAMIC MATERIAL  
PRODUCTION OF BORIC OXIDE  
SORBENT PRECIPITATED SILICA PARTICULATES

#### PASSIVATION

DEMONSTRATION OF ENHANCEMENT-MODE p-CHANNEL GaAs  
HERMETICALLY SEALED SEMICONDUCTOR DEVICE  
HYDROGEN PASSIVATION IN n- AND p-TYPE 6H-SiC  
METHOD AND APPARATUS FOR FORMING AN OXIDE PASSIVATION  
METHOD FOR FORMING FIELD OXIDE REGIONS  
METHOD OF FORMING OXIDE PASSIVATION FILM HAVING  
METHOD OF MAKING A DIAMOND-COATED COMPOSITE BODY  
METHOD OF OBTAINING HIGH QUALITY SILICON DIOXIDE  
METHOD OF OBTAINING HIGH QUALITY SILICON DIOXIDE  
METHOD OF USING ADDITIVES WITH SILICA-BASED SLURRIES  
SEMICONDUCTOR DEVICE CAPABLE OF PREVENTING HUMIDITY  
SEMICONDUCTOR DEVICE HAVING A PASSIVATION LAYER

#### PASTES

CERAMIC CHIP FORM SEMICONDUCTOR DIODE FABRICATION  
CONDUCTIVE PASTE AND MULTILAYERED CERAMIC CAPACITOR  
CONDUCTIVE PASTES, CONDUCTIVE MATERIALS, AND  
CRYSTALLISING GLASS IN RESISTOR PASTES FOR AIN  
DEGREE OF DISPERSION OF LATEX PARTICLES IN CEMENT  
EFFECT OF ABSOLUTE PRESSURE ON THE YIELD STRESS AND  
FORMED COMPOSITIONS  
LEAD-FREE CONDUCTIVE PASTE  
METHOD OF MANUFACTURING A CERAMIC SUBSTRATE  
METHOD OF MANUFACTURING LAMINATED CERAMIC CAPACITOR  
PROCESS FOR PRODUCING CERAMIC HEATING ELEMENTS  
RHEOLOGY AND EXTRUDABILITY OF ALUMINA PASTE FOR  
SILICONE OIL-SILICA FILLER PASTE USEFUL IN LIQUID  
ZEOLITE AGGREGATES AND CATALYSTS

#### PATTERNING

COMPOSITION FOR FORMING METAL OXIDE THIN-FILM PATTERN  
DMOS FABRICATION PROCESS IMPLEMENTED WITH REDUCED  
ETCHING OF CERAMIC MATERIALS WITH AN ELEVATED THIN  
FLEXIBLE MAGNET  
FORMATION OF THIN-FILM PATTERNS OF A METAL OXIDE  
HIGHLY ANISOTROPIC, ULTRASMOOTH PATTERNING OF GaN/SiC  
HIGH-TEMPERATURE SUPERCONDUCTOR LUMPED ELEMENTS AND  
IN TUNABLE PLASMA TREATMENT FOR PE TEOs OXIDE  
METHOD FOR FABRICATING A DUAL-GATE DIELECTRIC MODULE  
METHOD FOR FABRICATING A PLANAR FIELD OXIDE REGION  
METHOD FOR FABRICATING A SEMICONDUCTOR DEVICE WITH  
METHOD FOR FORMING ELEMENT ISOLATION INSULATING FILM  
METHOD FOR FORMING A PATTERN OF NONVOLATILE  
METHOD FOR MAKING CERAMIC SUBSTRATES FROM THIN AND  
METHOD FOR MANUFACTURING NONVOLATILE SEMICONDUCTOR  
METHOD FOR REDUCING OXIDE THINNING DURING THE  
METHOD OF FABRICATING CERAMIC PACKAGE BODY FOR HOLDING  
METHOD OF FORMING A FIELD OXIDE FILM IN A  
METHOD OF MAKING AN FET WITH DIELECTRICALLY ISOLATED  
METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE THAT  
METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE WITH  
MICRON SCALE PATTERNING OF SOLUTION-DERIVED CERAMIC  
MULTILAYER CERAMIC CIRCUIT SUBSTRATE, PROCESS FOR  
MULTIPLE LEVEL MASK FOR PATTERNING OF CERAMIC  
OXYNITRIDE FILM AND ITS FORMATION METHOD, AND METHOD  
PATTERNING OF LiGaO<sub>2</sub> AND LiAlO<sub>2</sub> BY WET AND DRY ETCHING  
POST-TITANIUM NITRIDE MASK ROM PROGRAMMING METHOD AND  
PROCESS FOR FABRICATION OF SUPERCONDUCTING WIRING  
PROCESS FOR PREPARING AND USING A CERAMIC SHELL AS A  
SELECTIVE EPITAXIAL GROWTH OF HIGH-Tc SUPERCONDUCTIVE  
SEMICONDUCTOR DEVICE HAVING IMPROVED JUNCTION  
SEMICONDUCTOR DEVICE MANUFACTURING METHOD INCLUDING  
SEMICONDUCTING QUANTUM INTERFERENCE DEVICE FORMED OF  
THIN FILM MAGNETIC HEAD INCLUDING LIGHTNING ARRESTER  
THIN POLYSILICON DOPING BY DIFFUSION FROM A DOPED

#### PAVING

ENERGY SAVING IN THE PRODUCTION OF BRICK PAVERS  
EUROPEAN STANDARD SPECIFICATIONS FOR PAVING UNITS OF  
MATHEMATICAL SOLUTION TO INTERLOCK IN FLEXIBLY BEDDED  
PAVING SYSTEM  
USE OF ROCK MATERIAL FROM THE THURINGIAN SCHIST  
WHOLE LIFE COSTS OF FLEXIBLY BEDDED CLAY PAVEMENTS

#### PEGMATITE

BENEFICIATION OF TURKISH PEGMATITES AND THEIR USAGE IN

#### PEPTISATION

INFLUENCE OF PEPTISATION ON THE PROPERTIES OF ALUMINA  
PREPARATION OF SOLS BY PEPTISATION OF PRECURSOR  
RUTILE FORMATION IN HYDROTHERMALLY CRYSTALLISED

#### PERICLASE

COMPACTIBILITY OF PERICLASE MIXTURES  
NEW WAYS OF IMPROVING THE THERMAL SHOCK BEHAVIOUR OF  
PERICLASE CRYSTAL SIZE MEASUREMENT - AN INTERNATIONAL  
REFRACTORY MATERIALS FOR VERY HIGH TEMPERATURE

76-08022P  
76-04651P  
76-06737P  
76-06740P  
76-04655P  
76-02158P  
76-09114P  
76-09116P  
76-08024P  
76-04218P  
76-00566P  
76-09124P  
76-05307P  
76-05618P  
76-06337A  
76-08444P  
76-06764P  
76-05366P  
76-08520A  
76-03779A  
76-06292P  
76-00665A  
76-09099P  
76-08106P  
76-06342C  
76-09138P  
76-08871P  
76-09114P  
76-01347P  
76-01310A  
76-06793P  
76-06194P  
76-08356P  
76-08356P  
76-05587P  
76-05091P  
76-04653P  
76-09114P  
76-09099P  
76-06368P  
76-03170C  
76-05544P  
76-03211A  
76-09099P  
76-07766P  
76-09062P  
76-06674P  
76-06821P  
76-06821P  
76-0682P  
76-05611P  
76-07850P  
76-00821P  
76-05475P  
76-06580P  
76-07189C  
76-04977C  
76-08273C  
76-05050P  
76-07484P  
76-02126P  
76-06680P  
76-02157P  
76-08846A  
76-02173P  
76-02193P  
76-06577P  
76-07737P  
76-06586P  
76-09003P  
76-05730P  
76-06599P  
76-03206A  
76-05779P  
76-05779P  
76-07492P  
76-07760P  
76-05560P  
76-05562P  
76-06302P  
76-06639P  
76-07777P  
76-07785P  
76-05573P  
76-06240P  
76-07799P  
76-06683P  
76-05592P  
76-06460C  
76-05599P  
76-03816P  
76-06704P  
76-07666C  
76-07827P  
76-08099P  
76-06730P  
76-08103P  
76-05616P  
76-05617P  
76-05805P  
76-09137P  
76-05630P  
76-04885A  
76-04887C  
76-02755P  
76-02480P  
76-06094A  
76-02794C  
76-01439A  
76-01615A  
76-03750A  
76-01852A  
76-08134A  
76-02912C  
76-01374C  
76-02934C

## RESOURCE-SAVING TECHNOLOGY FOR PRODUCING PERCLASE

## PERLITE

EFFECTS OF HEATING ATMOSPHERES ON FOAMING

TURKISH PERLITE

## PERMEABILITY

AIR PERMEABILITY OF CEMENT MORTAR AT VARIOUS MOISTURE COMPARISON OF MEASURED AND CALCULATED PERMEABILITIES  
DEUTERIUM PERMEATION PROPERTIES OF PLASMA-SPRAYED DIFFUSION OF OXYGEN THROUGH YSZ IN THE PRESENCE OF EFFECT OF RAW MATERIAL POWDER ON THE PROPERTIES OF ELECTROCHEMICAL PROPERTIES OF MIXED CONDUCTING FORMATION OF SiO<sub>2</sub>-BASED COATINGS BY THE SOL-GEL METHOD  
"FOULING" OF INORGANIC MEMBRANE IN MFUP PROCESSING OF GAS PERMEABILITY OF SILICATE MEMBRANES FORMED ON IONIC AND ELECTRONIC TRANSPORT IN BaCo<sub>0.8</sub>Ba<sub>0.2</sub>O<sub>3</sub> SOLID METHOD FOR ESTABLISHING A TARGET MAGNETIC PERMEABILITY MICROPOROUS SiO<sub>2</sub>/Y<sub>2</sub>O<sub>3</sub> MEMBRANES FOR GAS SEPARATION OXYGEN PERMEATION IN ZrO<sub>2</sub>-CeO<sub>2</sub>-CaO FOR THE APPLICATION OXYGEN SEPARATION USING DENSE GADOLINIA DOPED CERIA OXYGEN TRANSPORT THROUGH DENSE PEROVSKITE-TYPE PENETRABLE CERAMIC MATERIALS BASED ON CLAYS WITH A PERMEABILITY OF THE ELECTROCERAMICS TO GAS AND ITS PHASE RELATED OXYGEN PERMEATION THROUGH Sr-DOPED POLYCRYSTALLINE ANODIC ALUMINA - NEW CERAMIC MEMBRANES PREPARATION AND ANALYSIS OF A SILICON CARBIDE PREPARATION OF ALUMINA MEMBRANES BY TAPE CASTING AND PROCESS FOR PREPARING A FERROMAGNETIC MATERIAL STRENGTH, PORE STRUCTURE AND PERMEABILITY OF STUDY ON THE GAS PERMEABILITY OF CONCRETE MADE OF SURFACE MODIFICATIONS OF DENSE SrCo<sub>0.8</sub>Ba<sub>0.2</sub>O<sub>3</sub>-DELTA SYNTHESIS AND APPLICATION OF NANOPARTICULATE

## PEROVSKITE OXIDE

ELECTRODES COMPRISING CONDUCTIVE PEROVSKITE-SEED

## PEROVSKITE OXIDES

AIR ELECTRODE PROPERTY OF La-BASED PEROVSKITE-TYPE BEYOND THE TOLERANCE FACTOR: HARNESSING X-RAY AND

CAPACITOR APPARATUS AND METHOD OF MANUFACTURE OF SAME CATALYTIC OXIDATION OF METHANOL OVER CHARACTERISATION AND PROPERTIES OF THE CHARACTERISATION OF GRAIN BOUNDARY PHASE OF A CHEMICAL INTERACTIONS BETWEEN La-Sr-Mn-Fe-O-BASED CONTINUUM MODELLING OF POROUS MIXED CONDUCTING CRYSTAL STRUCTURE AND CHARACTERISATION OF CVD OF METAL OXIDE FILMS THROUGH ESTER ELIMINATION DENSE CERAMIC MEMBRANES FOR CONVERTING METHANE TO DETECTION OF THE CARRIER PROTONS IN SrCe<sub>1-x</sub>Yb<sub>x</sub>O<sub>3</sub>-DELTA EFFECT OF COMPOSITION ON THE ELECTROCHEMICAL EFFECT OF PROCESSING ROUTE AND PARAMETERS ON THE EFFECT OF A SITE SUBSTITUTION ON ORDER-DISORDER ELECTRICALLY CONDUCTING CERAMIC AND FUEL CELL USING ELECTROCHEMICAL CELLS AND METHODS USING PEROVSKITES ELECTROCHEMICAL HYDROGEN TRANSPORT USING PROTON ELECTROCHEMICAL PROPERTIES OF MIXED CONDUCTING

ELECTRODES COMPRISING CONDUCTIVE PEROVSKITE-SEED ELECTROPOX GAS REFORMING

FORMATION OF LEAD MAGNESIUM NIOBATE PEROVSKITE FROM GRAIN BOUNDARY-FREE CRYSTAL LINE BODY OF HIGH TEMPERATURE ELECTROLYSIS OF CO<sub>2</sub> USING PEROVSKITE HIGH-PERMITTIVITY PEROVSKITE THIN FILMS FOR DYNAMIC IMMOBILISATION OF SODIUM-BEARING HIGH-LEVEL INFLUENCE OF THE SUBSTITUTIONAL SITE OF Cd<sub>2+</sub> ON INTERCALATION CHEMISTRY OF ION-EXCHANGEABLE LAYERED IONIC AND ELECTRONIC TRANSPORT IN BaCo<sub>0.8</sub>Ba<sub>0.2</sub>O<sub>3</sub> SOLID LAYERED PEROVSKITE - STRUCTURAL CLASSIFICATION LCAO ANALYSIS OF THE ELECTRON BAND STRUCTURE AND FERMI LIQUID PHASE ASSISTED SINTERING OF LaCoO<sub>3</sub> PROCESSING LITHIUM ION CONDUCTIVITY OF A-SITE DEFICIENT LOW TEMPERATURE AQUEOUS SYNTHESIS AND SINTERING OF LOW-TEMPERATURE AQUEOUS SYNTHESIS (LTAS) OF CERAMIC LUMINESCENCE OF Mn<sup>4+</sup> IN THE DISTORTED PEROVSKITE LUMINESCENCE PROPERTIES OF LAYERED PEROVSKITE MEASUREMENT OF THE IONIC CONDUCTIVITY AS A FUNCTION OF METAL-INSULATOR TRANSITION OVERSTRESS PEROVSKITE-TYPE METHOD AND APPARATUS FOR FABRICATION OF DIELECTRIC METHOD FOR FORMING HIGH-Tc SUPERCONDUCTING DEVICES METHOD FOR FORMING A SEMICONDUCTOR DEVICE ELECTRODE METHOD FOR MANUFACTURING MATCHED SUBSTRATES METHOD OF MAKING MULTILAYER DISTORTED-TYPE METHOD OF MANUFACTURING LAMINATED CERAMIC CAPACITOR MICROWAVE DIELECTRIC PROPERTIES OF NEUTRON DIFFRACTION STUDY OF STRUCTURAL DISTORTIONS IN NEUTRON RADIATION EFFECTS ON PLZT AND PSN CERAMICS NEW METALLIC ORDERED PEROVSKITE FILM NONSTOICHIOMETRY AND PHYSICAL PROPERTIES OF THE ON THE LOSS OF PbO DURING SINTERING OF ORDER-DISORDER PHASE FORMATION IN THE COMPLEX ORIENTED CONDUCTIVE FILM AND PROCESS FOR PREPARING THE OXIDE SUPERCONDUCTOR AND METHOD OF PRODUCING SAME OXYGEN NON-STOICHIOMETRY AND OXYGEN DIFFUSIVITY OF OXYGEN PERMEABLE MIXED CONDUCTOR MEMBRANES OXYGEN TRANSPORT THROUGH DENSE PEROVSKITE-TYPE PbBi-CONTAINING HIGH-DIELECTRIC CONSTANT OXIDES USING PHASE GROWTH OF SMART MATERIALS IN A MAGNETIC FIELD PHASE RELATED OXYGEN PERMEATION THROUGH Sr-DOPED PHOTOCATALYTIC PROPERTIES OF LAYERED PEROVSKITE PHOTOLUMINESCENCE OF LAYERED PEROVSKITE OXIDES WITH PIEZOELECTRIC CERAMIC COMPOSITION

POLYTEPE STRUCTURES IN LEAD-CALCIUM TITANATE CERAMICS PREPARATION AND CHARACTERISATION OF PEROVSKITE-TYPE PREPARATION OF BaCoO<sub>3</sub>-BASED ELECTROLYTE FILMS PREPARATION OF FINE POWDERS WITH PEROVSKITE STRUCTURE PREPARATION OF La<sub>0.5</sub>Li<sub>0.5</sub>STO<sub>2</sub> PEROVSKITE THIN FILMS BY PREPARATION OF PYROCHLORE-FREE LEAD MAGNESIUM NIOBATE PROCESS FOR PREPARING A PEROVSKITE Bi-CONTAINING PROTON CONDUCTORS PYROCHLORE BASED OXIDES WITH HIGH DIELECTRIC CONSTANT RARE EARTH MANGANESE FILMS MADE BY METALORGANIC RARE-EARTH SUBSTITUTED THALIUM-BASED SUPERCONDUCTORS REDUCTION OF THE CHROMIUM VAPORISATION FROM THE REMOVAL OF H<sub>2</sub>S IN A SOLID OXIDE FUEL CELL WITH ROLE OF BaMnO<sub>3</sub>-DELTA IN THE FORMATION OF Yb<sub>2</sub>Mn<sub>2</sub>O<sub>6</sub> PLUS SELECTION AND OPTIMISATION OF THERMALLY SPRAYED SOL-GEL PREPARATION AND CHARACTERISATION OF CdTiO<sub>3</sub> STABILITY OF THE PEROVSKITE PHASE IN PwN-FZM-PT STRUCTURAL AND DIELECTRIC PROPERTIES OF STRUCTURAL ORDER IN Ba<sub>2</sub>Zn<sub>1</sub>Ti<sub>2</sub>O<sub>3</sub>/O<sub>3</sub>, Ba<sub>2</sub>Zn<sub>1</sub>(3Nb<sub>2</sub>/3)O<sub>3</sub> STRUCTURAL STABILISATION AND ELECTRICAL STRUCTURE AND CONDUCTIVITY OF La<sub>1-x</sub>Ce<sub>x</sub>O<sub>3</sub>-OXIDES STRUCTURE AND MAGNETOTRANSPORT PROPERTIES OF THE SUBSTITUTED BARIUM-NEODYMIUM-TITANIUM PEROVSKITE SUBSTITUTION-SITE OF Cd<sub>2+</sub> IN SUPERCONDUCTING THIN FILM SYSTEM USING A GARNET

76-07333A

76-03949A

76-08434A

76-02405A

76-04975A

76-01141C

76-09148C

76-04336C

76-09511C

76-04446A

76-04112C

76-09154C

76-07442C

76-08118P

76-07207A

76-09160C

76-09161C

76-09162C

76-09277A

76-07450A

76-09163C

76-04150C

76-08713A

76-04278A

76-08021P

76-06967A

76-06970A

76-09164C

76-06865A

76-05487P

76-03032A

76-08256C

76-09169A

76-07322P

76-03033A

76-07877A

76-00881A

76-07410A

76-07418C

76-07880C

76-08993P

76-08469C

76-07422C

76-07895A

76-03757A

76-03377A

76-05485P

76-07481P

76-08824C

76-09151C

76-05385A

76-03126P

76-08154C

76-07914A

76-09111B

76-07435C

76-00920A

76-08114A

76-07925C

76-09175A

76-07442C

76-00932A

76-03554A

76-07444C

76-08073C

76-05668C

76-00936A

76-05669A

76-09037A

76-09156C

76-00938A

76-07490P

76-01109P

76-07768P

76-05786P

76-06680P

76-03406A

76-09182A

76-07944C

76-03472C

76-01027A

76-03405A

76-03413A

76-07516P

76-08898P

76-09159C

76-08755P

76-09162C

76-07825P

76-05678A

76-09163C

76-00963A

76-07951A

76-07996P

76-07997P

76-03419A

76-05434A

76-07453C

76-05679A

76-06835A

76-03423A

76-03646P

76-00963A

76-07523P

76-05718P

76-08102P

76-05440C

76-07457C

76-08060A

76-05442C

76-07890C

76-00976A

76-00735A

76-07975A

76-00736A

76-04644C

76-05686A

76-00796P

76-07979A

76-05807P

SURFACE ANALYSIS OF DOPED LANTHANIDE COBALT SURFACE AND STRUCTURE CHARACTERISATION OF SOME SURFACE MODIFICATIONS OF DENSE SrCo<sub>0.8</sub>Ba<sub>0.2</sub>O<sub>3</sub>-DELTA SYNTHESIS AND CHARACTERISATION OF Ba<sub>2</sub>-Sr<sub>2</sub>Fe<sub>2</sub>SiO<sub>8</sub> SYNTHESIS AND STRUCTURE DETERMINATION OF NEW LAYERED SYNTHESIS AND SUPERCONDUCTING PROPERTIES OF THE SYNTHESIS OF NANOSIZED PEROVSKITE-TYPE OXIDE POWDERS SYNTHESIS OF OXIDE PEROVSKITE SOLID SOLUTIONS USING SYNTHESIS OF PYROCHLORE-FREE 0.9 Pb(Mg<sub>1/3</sub>Nb<sub>2/3</sub>)O<sub>3</sub>-0.1

## PEROVSKITES

STRUCTURAL CHEMISTRY OF SrMn<sub>1-x</sub>Fe<sub>x</sub>O<sub>3</sub>-DELTA, x

## PHARMACEUTICAL APPLICATIONS

COMPOSITE MATERIALS: STRATEGIES FOR THE APPLICATION IN

## PHASE

CORROSION OF MULLITE BY MOLTEN SALTS DIELECTRIC CONSTANT, THERMAL EXPANSION AND NEUTRON EFFECT OF HEAT TREATMENT ON GRAIN SIZE, PHASE EFFECTS OF DOPING WITH La AND Mn ON THE CRYSTALLITE EFFECTS OF SiC WHISKERS ON THE 1-m ZrO<sub>2</sub> PHASE FABRICATION, CHARACTERISATION AND MECHANICAL HYDROTHERMAL SYNTHESIS OF ZEOLITES FROM PUMICE IN LOW TEMPERATURE LIQUIDIFICATION OF CALCIUM CARBONATE MULLITE JOINING BY THE OXIDATION OF MALLEABLE PHASE TRANSFORMATIONS IN SOL-GEL PREPARED PbTiO<sub>3</sub> PROCESSING AND MICROSTRUCTURAL DEVELOPMENT OF REACTIONS AND PHASE TRANSFORMATION IN SiO<sub>2</sub>-ZrO<sub>2</sub> SPACE FILLING BY NUCLEATING AND GROWTH IN CHEMICAL TITANIUM IMPLANTATION INTO BORON NITRIDE FILMS AND YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> PHASE DIAGRAM

## PHASE ANALYSIS

APPLICATION OF THE "MATRIX-FLUSHING" METHOD TO THE CRYSTALLINITY RESONANCE (C<sub>1</sub>) PROPERTIES OF REFRACTORY RAY CRYSTALLISATION IN GLASSES, X-RAY DIFFRACTION STUDY DETERMINATION OF THE MONOCLINIC, TETRAGONAL AND CUBIC DIFFERENTIATION BETWEEN PSEUDOCUBIC AND CUBIC PHASES HOMOGENEITY RANGES OF PHASES Sr<sub>4-x</sub>Ln<sub>2x</sub>3Ti<sub>4</sub>O<sub>12</sub> (Ln = NEW TERNARY NITRIDE IN THE Ti-Al-N SYSTEM PROGEN-RICH LIQUID PHASE REGIONS IN THE Ln-Si-Al-O-N PHASE ANALYSIS OF SEEDED AND DOPED PbMg<sub>1/3</sub>Nb<sub>2/3</sub>O<sub>3</sub> PHASE DISTRIBUTION AND INTERFACE CHEMISTRY OF THE PHASE EQUILIBRIA IN THE QUATERNARY SYSTEM Ti-Al-C-N PHASE EQUILIBRIA IN THE SYSTEM BARIUM METABORATE-LEAD PHASES IN RELATING TO THE PERCLASE CONTAINING REGIONS OF PROPOSED NEW NONDESTRUCTIVE TESTS FOR SJMA BY QUANTITATIVE PHASE ANALYSIS IN TETRAGONAL-RICH SILLIMANITE SAND-FELDSPAR PORCELAINS, PT<sub>2</sub> PHASE TWO PHASE CO-EXISTENCE IN YBa<sub>2</sub>Cu<sub>1-x</sub>Co<sub>x</sub>O<sub>3/7</sub>-DELTA X-RAY DATA FOR NEW Y-Si-Al-O-N GLASS-CERAMICS

## PHASE BOUNDARIES

CRYSTALLISATION BEHAVIOUR AND PHASE COEXISTENCE AT TRANSMISSION ELECTRON MICROSCOPY OF THE

## PHASE COMPOSITION

ANALYSIS OF (Cr,Mo) OXYCARBIDE FILMS GROWN ON CALCIUM PHOSPHATE MATERIALS PREPARED FROM PRECIPITATES CATALYST FOR THE DEEP OXIDATION OF ORGANIC COMPOUNDS CHARACTERISATION OF PLASMA-SPRAYED HYDROXYAPATITE BY CHEMICAL CHARACTERISTICS OF THE COMPOUND COMPOSITION OF THALLIUM HIGH-Tc OXIDES PREPARED BY DEPENDENCES OF PbTiO<sub>3</sub> THIN FILMS ON Ti BATH EFFECT OF SOME INORGANIC ADMIXTURES ON THE FORMATION ELECTRICAL PROPERTIES OF THE CERAMICS IN THE FAST PHOTOMETRIC DETERMINATION OF IRON IMPURITY IN RED FORMATION REACTIONS AND CRYSTAL STRUCTURE OF THE LEAD RESISTANT AND HIGH-STRENGTH CERAMICS BASED ON THE HIGH-MELTING OPAFIC GLAZES FOR HOUSEHOLD-CERAMICS HOW DILATION BINDER CHARACTERISTICS EFFECT MICROSTRUCTURAL EVOLUTION OF 8m (ALPHA + BETA)-SIALON MINERAL COMPOSITION AND MICROSTRUCTURE OF CLINKER FROM NEW TERNARY NITRIDE IN THE Ti-Al-N SYSTEM OPERATION OF GRAPHITE-CONTAINING CRUCIBLES IN OPTIMUM DESIGN OF COATINGS ON STEEL SUBSTRATE PHASE COMPOSITION AND DISTRIBUTION OF METAL-CATALYST PHASE COMPOSITION AND MAGNETIC PROPERTIES OF PHASE DISTRIBUTION, MICROSTRUCTURE, AND ELECTRICAL PHASE TRANSFORMATION EFFECT ON ADO<sub>2</sub>-ZrO<sub>2</sub>(Y<sub>2</sub>O<sub>3</sub>)-TiN POST-SINTERING HEAT TREATMENT OF RARE EARTH PREDICTING THE PHASE COMPOSITION OF HETEROGENEOUS PREPARATION OF NEW PTCR CERAMICS PREPARING PTCERS BY PRECIPITATION PROPERTIES OF ZrO<sub>2</sub>-Ca-BE<sub>2</sub> COMPOSITES PHASE COMPOSITION AND DIELECTRIC PROPERTIES OF FERROELECTRIC SPECTROSCOPIC COMPARISON OF YBCO SUPERCONDUCTORS STABILITY OF YTTRIUM ALPHA-SIALON AND BETA-SIALON AT STRUCTURAL AND MAGNETIC INVESTIGATION OF PHASES AND PROPERTIES OF REACTIONS BASED ON TETRAGONAL AND RHOMBOHEDRAL PHASE CO-EXISTENCE IN THE TRANSMISSION ELECTRON MICROSCOPY AND ELECTRON ZIRCONIUM GLAZES WITH REDUCED CONTENT OF B<sub>2</sub>O<sub>3</sub>

## PHASE DIAGRAM

ELECTROCHEMICAL INTERCALATION OF OXYGEN IN

NEW OXIDE ION CONDUCTING SOLID ELECTROLYTES

## PHASE DIAGRAMS

30 WBAR PHASE EQUILIBRIA OF THE La<sub>2</sub>O<sub>3</sub>-SrO-Cu<sub>2</sub>O SYSTEM APPLICATION OF DOLOMA REFRACTORIES IN STEELMAKING APPLICATIONS OF MgO-C MATERIAL TO IMMERSION NOZZLES BaAl<sub>2</sub>Si<sub>2</sub>O<sub>11</sub>·11H<sub>2</sub>O: A NEW OXYNITRIDE WITH THE BEHAVIOURS OF VARIOUS KINDS OF CARBON IN BORON FOR ALUMINIUM SUBSTITUTION IN THE KAlSi<sub>2</sub>O<sub>6</sub> CALCULATION OF METASTABLE IMMISCIBILITY REGION IN THE CHARACTERISATION OF ALUMINIUM HYDROXIDE OBTAINED FROM CHEMISTRY PROPERTIES OF B<sub>2</sub>O<sub>3</sub> DOPED COMPOSITIONAL DESIGN OF ALPHA-BETA-YAG(Y<sub>3</sub>Al<sub>5</sub>O<sub>12</sub>) CONSTRUCTION OF EQUILIBRIUM PHASE DIAGRAM BY CONSTRUCTION OF PHASE DIAGRAMS BY "IN SITU" CORROSION OF MgO-MgAl<sub>2</sub>O<sub>4</sub> SPINEL REFRACTORY BRICKS BY THERMAL ANALYSIS OF BEHAVIOUR OF Li<sub>1-x</sub>Fe<sub>x</sub>Ta<sub>1-x</sub>O<sub>3</sub> GLASSES CuO-B<sub>2</sub>O<sub>3</sub>-B<sub>2</sub>O<sub>3</sub> SYSTEM DETERMINATION OF THE PHASE DIAGRAM BY THE SLOW COOLING DIELECTRIC AND FIELD-INDUCED STRAIN BEHAVIOUR OF ED SPECTROSCOPY, X-RAY THERMOGRAVIMETRY AND EFFECT OF CuO ON THERMAL DECOMPOSITION DURING EFFECT OF COMPOSITIONAL VARIATIONS IN THE LEAD EFFECT OF SLAG COMPOSITION CONTROL ON THE PERFORMANCE EFFECT ON ELECTRICAL PROPERTIES OF BARIUM AND EQUILIBRIUM PHASES SURROUNDING THE ALP<sub>2</sub> SOLID PHASE TRANSFORMATION OF THE INTERACTIONS BETWEEN LIQUID EXTENDING THE LIFE OF INMETCO'S SUBMERGED ARC FURNACE EXTENT OF SOLID SOLUBILITY IN THE RuO<sub>2</sub>-TiO<sub>2</sub> SYSTEM FABRICATION OF PARTICULATE REINFORCED MAGNESIUM FACTORS AFFECTING ADHERENCE OF SLAG ON REFRACTORIES FORMATION OF ALP<sub>2</sub> SOLID SOLUTIONS WITH DUAL-CHARGED CATIONS HEAT TREATMENT OF WOLLASTONITE-TYPE Y-Si-Al-O-N HEAT-RESISTANT AND HIGH-STRENGTH CERAMICS BASED ON THE HISTORICAL PERSPECTIVE ON WHITEWARE SCIENCE INFLUENCE OF SILICA CONTENT ON LIQUID PHASE SINTERING

76-03866A

76-06172C

76-09164C

76-08069A

76-04036A

76-08071A

76-07465C

76-06689A

76-07982A

76-03484A

76-04724A

76-02232A

76-00891A

76-01197A

76-09090A

76-02215A

76-02272A

76-01481A

76-01625A

76-01249A

76-00951A

76-01987A

76-01851A

76-01625A

76-02027A

76-01093A

76-07266A

76-00871C

76-07189A

76-08471A

76-09173A

76-07917A

76-08704A

76-08318C

76-08705A

76-03471A

76-04281A

76-01843A

76-01844A

76-03608C

76-08570A

76-05321A

76-05770A

76-07103A

76-00887A

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SHEAR INDUCED TRANSFORMATION ENHANCEMENT  
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- 76-01627A  
76-08144C  
76-02723A  
76-00950A  
76-08552A  
76-03030A  
76-08714A  
76-08565A  
76-01779A  
76-08722C  
76-08727A  
76-01658A  
76-08074A  
76-02220A  
76-00121A  
76-01077A  
76-05257C  
76-03638P  
76-08641C  
76-04318A  
76-08447A  
76-08662A  
76-08453A  
76-04072C  
76-04075A  
76-05389A  
76-00187A  
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76-01819A  
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76-08886A  
76-05641A  
76-01598A  
76-06297A  
76-03942A  
76-06400C  
76-04322A  
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76-08537A  
76-06404A  
76-03525A  
76-01203A  
76-01826A  
76-06223A  
76-04099A  
76-07903A  
76-03380A  
76-03381A  
76-00199A  
76-06324C  
76-08368A  
76-03960A  
76-04115A  
76-04116A  
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76-06955A  
76-08904A  
76-08512A  
76-04991A  
76-05859C  
76-08516A  
76-04127C  
76-08519A  
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76-08521C  
76-08524A  
76-06139C  
76-06449C  
76-08526A  
76-06243C  
76-08524A  
76-08530A  
76-06853A  
76-03402A  
76-06245A  
76-03998A  
76-08587A  
76-06461C  
76-08701A  
76-08537A  
76-06149C  
76-07943A  
76-08541A  
76-08543A  
76-07944C  
76-06149C  
76-06150A  
76-05762A  
76-03413A  
76-03416A  
76-04339A  
76-05676A  
76-08552A  
76-07086A  
76-07322A  
76-09257C  
76-03998A  
76-08785C  
76-00951A  
76-05281A  
76-08555A  
76-06242C  
76-05282A  
76-08561A  
76-07223A  
76-06053A  
76-07965A  
76-02452A  
76-08786A  
76-04287A  
76-06063A  
76-04157A  
76-02934C  
76-08787A  
76-08579A  
76-01852A  
76-06164A  
76-06075A
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X-FIBRES AND THIN FILMS VIA SOL-GEL-PROCESSING  
ZrO2 TOUGHENED NITROGEN GLASSES  
76-08587A  
76-04168A  
76-02460A  
76-09271A  
76-06315A  
76-03611A  
76-06172C  
76-06174A  
76-01299A  
76-08696A  
76-04037A  
76-06083C  
76-04183A  
76-06178A  
76-05691A  
76-04351A  
76-04353A  
76-03620A  
76-04190A  
76-04354A  
76-04302A  
76-05030A  
76-05031A  
76-04196A  
76-03801C  
76-07106C  
76-06690P  
76-00989A  
76-03167A  
76-07885A  
76-02260A  
76-07889A  
76-01822A  
76-05645A  
76-01825A  
76-07899A  
76-01598A  
76-08773C  
76-05759A  
76-08047A  
76-07899A  
76-03401A  
76-07949C  
76-00959A  
76-03598A  
76-03580A  
76-00735A  
76-07974A  
76-02021A  
76-01093A  
76-08969P  
76-05084P  
76-03509A  
76-03510A  
76-03517A  
76-07561C  
76-06666A  
76-03552A  
76-03638P  
76-06258P  
76-06748P  
76-06748P  
76-06288P  
76-04668P  
76-06774P  
76-06775P  
76-03615A  
76-03623A  
76-09146P  
76-07144A  
76-00177P  
76-02967P  
76-05123A  
76-07114C  
76-01680P  
76-07126C  
76-07874C  
76-07099C  
76-06427C  
76-02742A  
76-01616A  
76-06615P  
76-02477P  
76-06659P  
76-01263A  
76-05145A  
76-07091A  
76-01291A  
76-01648A  
76-07098A  
76-01655A  
76-03109A  
76-05122P  
76-09140P  
76-07121P  
76-02649P  
76-00753A  
76-03741C  
76-03285C  
76-01623A  
76-04181A  
76-07729P  
76-06653P  
76-03212A  
76-07772P  
76-03263A  
76-02481P  
76-03280A  
76-08616P  
76-06187P  
76-06796P  
76-09025P  
76-02571A

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SILANE-TREATED INORGANIC PIGMENTS  
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PLASMA SPRAYING
- 76-03418A  
76-07998P  
76-07999P  
76-07955C  
76-07962C  
76-07963C  
76-03304A  
76-05684A  
76-03462P  
76-00986A  
76-07875A  
76-05720P  
76-07980A  
76-03445C  
76-07983C  
76-00994A  
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76-00954A  
76-03384C  
76-07873C  
76-07893A  
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76-03384C  
76-07890C  
76-03390C  
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76-07824C  
76-07829C  
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76-05706P  
76-07891P  
76-03405A  
76-07945C  
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76-03445C  
76-03447A  
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76-02978C  
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76-07387A  
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76-02487C  
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76-01318P  
76-06835A  
76-02071P  
76-06885A  
76-06426A  
76-07587C  
76-06811P  
76-01237A  
76-07491P  
76-02112P  
76-06412P  
76-06413P  
76-06419P  
76-01261A  
76-06739P  
76-06711P  
76-02151P  
76-01742A  
76-06743A  
76-01310A  
76-08123A  
76-06978P  
76-03743A  
76-01621C  
76-05902A  
76-01215A  
76-03743A  
76-01515A  
76-06758P  
76-04359C  
76-08464A  
76-04122A  
76-07111A  
76-08288A  
76-04377C  
76-05229A  
76-05175A  
76-06458C  
76-07675C  
76-05058A  
76-03220A  
76-03015A  
76-05379C  
76-06389C  
76-07989P  
76-05704P  
76-07642C  
76-07150C



POROSIMETRY

- APPLICATION OF MERCURY INTRUSION POROSIMETRY ON CLAY RELIABILITY AND REPRODUCIBILITY OF MERCURY INTRUSION POROSIMETRY
- ALTERNATIVE PROCESSES TO VERIFY POROSITY DIFFERENCES. ALUMINUM NITRIDE, ALUMINUM NITRIDE CONTAINING SOLID CARBOTHERMIC REACTION PROCESS FOR MAKING NANOPHASE CERAMIC INCLUDING ALUMINA AND A COMPLEX OXIDE
- CERAMIC MEMBRANES HAVING MACROSCOPIC CHANNELS CHARACTERISATION OF PORES DURING THE DENSIFICATION OF COATED POROUS SUBSTRATES
- COMMENT ON "SIMPLE MATHEMATICAL MODEL FOR THE COPPER-CONTAINING ZEOLITE CATALYSTS"
- CORRELATION OF CERAMIC FRACTURE PROPERTIES
- CRITICAL AND IRREVERSIBLE FIELDS OF GRANULAR CRYSTALLINE SILICATE COMPOSITIONS AND METHOD OF CRYSTALLISATION AND VOID FORMATION IN DENSELY SINTERED, TABULAR CERAMIC PARTS OF ALUMINUM
- DEPENDENCE OF THE PROPERTIES OF TITANIUM-PILLARED DERIVATION OF THE EXPONENTIAL RELATION FOR THE EFFECT DETERMINATION AND INTERPRETATION OF FRACTAL PROPERTIES
- DEVELOPMENT OF POROSITY IN SEA-WATER  $MgO$  PRODUCED IN DIAMOND FILM AND SOLID NONDIAMOND PARTICLE COMPOSITE
- EFFECT OF OVERHEATING OF THE MELT AND HEAT TREATMENT EFFECT OF PORE SHAPE ON THE ULTRASONIC EFFECT OF SOME INORGANIC ADHESIVES ON THE FORMATION EXHAUST GAS FILTER
- EXTRUDED RUSTIC FLOOR TILE. PT.2. IMPACT OF THE FABRICATION OF HYDROXYAPATITE CERAMIC WITH CONTROLLED FLEXURAL STRENGTH OF CEMENT PASTE COMPOSITES
- FORMATION OF PORES AND VESICLE-FREE REGIONS DURING FREEZE-DRIED CERAMICS FROM ALCOHOLIC SOLUTIONS - FUNDAMENTALS OF SOL-GEL DIP-COATING
- GENERAL ROUTES TO MICROPOROUS THIN FILMS: FORMATION OF GLUING OF SINTERED PARTS MADE OF SILICON NITRIDE
- GREEN CERAMIC VIA METALIZATION TECHNIQUE
- HERTZIAN CONTACT DAMAGE IN POROUS ALUMINA CERAMICS
- HIGH MICROPORE VOLUME LOW-SILICA EMT-CONTAINING HIGH POROSITY CALCIUM SILICATE MASS FOR STORING HIGHLY PURIFIED BIOGENIC  $SiO_2$  PRODUCT
- HIGHLY SELECTIVE SILICON OXIDE CHANG METHOD
- HIGH-TEMPERATURE CERAMIC ARTICLES HAVING CORROSION HIGH-TEMPERATURE COATING ON CERAMIC SUBSTRATE AND IMPROVED MICROSTRUCTURE IN MULTILAYER CERAMIC
- INFLUENCE OF POROSITY AND PORE SIZE ON THE COMPRESSIVE INFLUENCE OF POROSITY ON FRICTION AND WEAR OF
- INFLUENCE OF POROSITY ON THE CONDUCTIVITY OF INFLUENCE OF THE PREPREG TREATMENT ON YTTRIUM-IRON INFLUENCE OF WATER CONTENT ON THE PROPERTIES OF THREE INTERACTION BETWEEN MULLITE AND SODIUM COMPOUNDS IN INTERMEDIATE FOR PRODUCING POROUS SILICON CARBIDE
- INVESTIGATION OF THE DEPENDENCE OF THE PROPERTIES OF LIGHTWEIGHT  $SiO_2$  BALLS WITH A DENSE OUTER LAYER AND MEASUREMENT OF POROSITY IN CERAMIC COATINGS BY MECHANICAL STRENGTH AND MICROSTRUCTURE OF GREEN METHOD FOR PRODUCING ACTIVE DEVICES ON A THIN METHODS AND APPARATUS FOR MAKING CERAMIC MATRIX MICROPARTICLE ENHANCED FIBROUS CERAMICS
- MICROPOROUS REFRACTORY MATERIALS FOR HIGH TEMPERATURE MODIFICATION OF THE POROSITY OF PILLARED CLAYS BY MULTILAYERED GLASS SUBSTRATE
- NEW APPROACH FOR THE YOUNG'S MODULUS-POROSITY NEW POSSIBILITY FOR PORE-FORMING IN THE CLAY BODY ON THE RELATIONSHIP BETWEEN POROSITY AND ELECTRICAL PENETRABLE CERAMIC MATERIALS BASED ON CLAYS WITH A PERMEABILITY OF THE ELECTROCERAMICS TO GAS AND ITS PHOTOELECTROCHEMICAL FORMATION OF LUMINESCENT POROUS PHYSCOMECHANICAL PROPERTIES OF SIBIRFOM, A POROUS PORE GROWTH AND ELIMINATION DURING SINTERING OF PORE SIZE DISTRIBUTION OF METAKAOLIN PASTE
- POROSITY IN COMPOSITE ZrF<sub>4</sub> MEMBRANES
- POROSITY OF BRICKS: THE FROST PROOF FACTOR
- POROUS CERAMIC HONEYCOMB FILTER
- POROUS SILICON CARBIDE (SiC) SEMICONDUCTOR DEVICE PREPARATION OF ALUMINA HAVING INCREASED POROSITY PREPARATION OF SINTERED ZIRCONIA BODY
- PREPARATION OF STABILIZED ALUMINA HAVING ENHANCED PROCEDURE FOR SYNTHESIS OF CRYSTALLINE MICROPOROUS PROCESS FOR MAKING ALUMINA AGGLOMERATES
- PROCESS FOR PREPARING AMORPHOUS, CATALYTICALLY ACTIVE PROCESS FOR PREPARING SiC FOAM
- PROCESS FOR PREPARING A SILICON CARBIDE SINTERED BODY PROCESS FOR PREPARING ZEOLITE Y WITH INCREASED PROCESS FOR PRODUCING GLASS PREFORM FOR OPTICAL FIBRE PROCESS FOR PRODUCING PREFORMS FOR SILICA GLASS
- PROCESS FOR THE PRODUCTION OF COMPOSITE SYSTEMS HAVING PROPERTIES OF POROUS PIEZOELECTRIC CERAMICS
- RELATIONSHIP BETWEEN MECHANICAL PROPERTIES AND RELIABILITY AND REPRODUCIBILITY OF MERCURY INTRUSION RESISTIVE GAS SENSING, ESPECIALLY FOR DETECTION OF SELF-SINTERED SILICON CARBIDE-CARBON GRAPHITE SELF-SUPPORTING ALUMINUM TITANATE COMPOSITES AND SILICA LIGHTGUIDE FOR UV APPLICATIONS
- SILICON CARBIDE COMPOSITE WITH COATED FIBRE SILICON CARBIDE WITH CONTROLLED POROSITY SINTERED  $MgO$  CLINKER CONTAINING  $Al_2O_3$
- SINTERED SiC SHAPED ARTICLES AND MECHANICAL PACKINGS SINTERING OF SILICA GEL POWDER FOR VITREOUS COMPOUND SOLID ELECTROLYTE GAS SENSOR AND PROCESS OF PRODUCING SQUEEZE CEMENTING COMPOSITION
- STABILITY AND POROSITY OF Fe-PILCS IN AN ACID AND SUBSTITUTED SILICA SOL
- SUPERPLASTICITY OF CERAMIC MATERIALS. PT.2. EFFECT OF SYNTHESIS AND CHARACTERISATION OF INORGANIC GELS IN A SYNTHESIS OF MESOPOROUS ZIRCONIA USING AN AMPHOTERIC SYNTHESIS OF MICROPOROUS CERAMICS
- SYNTHESIS OF ORDERED SILICATES BY THE USE OF ORGANIC SYNTHESIS OF ZEOLITES
- THEORETICAL EVALUATION OF PILLARED CLAY ADSORBENTS.
- THERMAL CHARACTERISTICS OF CASTABLE FOR TEEMING LADLES THERMAL MODEL OF POROUS MEDIA TAKING INTO ACCOUNT THE TITANIUM DIBORIDE COPPER-MATRIX COMPOSITES
- TRANSITION-METAL OXIDE PILLARED CLAYS. PT.2. A VARIATIONS OF PHYSICAL PROPERTIES IN PELLETS
- POROUS
- THERMAL MODEL OF POROUS MEDIA TAKING INTO ACCOUNT THE POROUS CERAMICS
- ALUMINUM-CONTAINING MESOSTRUCTURAL MATERIALS BIOACTIVE MATERIAL TEMPLATE FOR IN VITRO SYNTHESIS OF CERAMIC GELS - POROUS NETWORK STRUCTURE AND CERAMIC HONEYCOMBS COATED WITH ZEOLITE ZSM-5 FOR NOX CERAMIC HOT-GAS FILTER

- 76-00317A  
76-05843A
- 76-05922A  
76-08970P  
76-08976P  
76-06560P  
76-02057P  
76-06214C  
76-06119P  
76-08987A  
76-04363A  
76-04549P  
76-02067P  
76-03511A  
76-08990P  
76-07059A  
76-04551P  
76-08359A  
76-02262A  
76-01867A  
76-05994A  
76-02074P  
76-04042A  
76-08820A  
76-06965A  
76-04212P  
76-00591A  
76-08987A  
76-06954A  
76-04045A  
76-01942C  
76-03709C  
76-06429C  
76-08163A  
76-03121P  
76-08503A  
76-04571P  
76-06604P  
76-09014P  
76-06603P  
76-09015P  
76-00553P  
76-07920C  
76-06846C  
76-06518A  
76-07439A  
76-01021A  
76-01231C  
76-04129A  
76-06611P  
76-02890A  
76-09019P  
76-04375A  
76-07381A  
76-06556P  
76-06693P  
76-04625P  
76-00482C  
76-08832A  
76-09125A  
76-09252A  
76-00349A  
76-00054A  
76-08927A  
76-06613A  
76-06484C  
76-05012A  
76-02658A  
76-05015A  
76-06333A  
76-00352A  
76-01709P  
76-00861P  
76-02145P  
76-06119P  
76-04640P  
76-09094P  
76-04645P  
76-06729P  
76-06704P  
76-03342P  
76-06733P  
76-02690P  
76-06741P  
76-06748P  
76-07953C  
76-00062A  
76-08843A  
76-08551P  
76-04684P  
76-09126P  
76-06203P  
76-02171P  
76-04666P  
76-01535C  
76-06291P  
76-01537A  
76-02177P  
76-02463P  
76-06076A  
76-06778P  
76-08592A  
76-08422A  
76-06531A  
76-09133P  
76-06832C  
76-02183P  
76-06089A  
76-08428A  
76-08429A  
76-00542A  
76-01893A  
76-07032A  
76-08433A  
76-02030A
- 76-01893A
- 76-06375A  
76-08618P  
76-04072C  
76-09364C  
76-06189P
- CERAMIC POROUS BODY AND METHOD OF PREPARING THE SAME
- CERAMIC POROUS MATERIAL AND METHOD OF MAKING SAME
- CHARACTERISTICS OF POROUS WOLLASTONITE CERAMICS
- COMMENT ON "SIMPLE MATHEMATICAL MODEL FOR THE COMPARISON OF THE ELECTRICAL BEHAVIOUR OF TWO POROUS CONVENTIONAL - VERSUS MICROWAVE-HYDROTHERMAL LEACHING CRYOGENIC HEAT PIPE
- DENSE AND POROUS, ULTRAFINE GRAINED OR NANOSTRUCTURED DIELECTRIC PROPERTIES OF POROUS CERAMICS HAVING A DIELECTRIC PARTICULATE FILTER APPARATUS
- EFFECT OF BURNING TEMPERATURE ON THE STRUCTURAL EFFECTIVE OPTICAL CONSTANTS  $n$  AND  $K$  AND EXTINCTION EFFECTS OF CALCINING CONDITIONS OF KAOLINITE ON PORE ELECTRICAL RESISTIVITY OF POROUS CARBON MATERIALS
- FABRICATION TECHNIQUE OF FINE AND HIGHLY POROUS FAURE INDUSTRIAL CERAMICS LIMITED
- FILTER HEATING BODY PRODUCED BY A METHOD OF SPRAYING A FRICTION PROPERTIES OF NEW POROUS CARBON MATERIALS: HYBRID PHOTOVOLTAIC SOLAR PANELS
- INDUSTRIAL PRODUCTION OF HIGH-POROSITY BRICKMAKING MECHANICAL PROPERTIES OF POROUS CARBON MATERIAL: MESOSTRUCTURAL DEFECTS AND MECHANICAL PROPERTIES OF MICROPOROUS REFRACTORY MATERIALS FOR HIGH TEMPERATURE MICROSTRUCTURAL PROPERTIES OF MICROPOROUS ADSORPTION ON AMORPHOUS ALUMINOSILICATES: NEW POROUS CARBON MATERIALS, WOODCERAMICS: DEVELOPMENT OPEN-PORE MULLITE FOAMS FOR DIESEL PARTICULATE OXIDATION BEHAVIOUR OF POROUS SiC AT HIGH TEMPERATURES PENETRABLE CERAMIC MATERIALS BASED ON CLAYS WITH A PORE CHARACTERISTICS OF POROUS ALUMINA CERAMICS POROUS CERAMIC MATERIAL
- POROUS MATRIX AND METHOD OF ITS PRODUCTION
- POROUS MULLITE HONEYCOMB BY HYDROTHERMAL TREATMENT OF POROUS PIEZOELECTRIC CERAMICS WITH HIGH PIEZOELECTRIC FABRICATION AND CHARACTERISATION OF CERAMIC POROUS PREPARATION OF POROUS ALUMINA AND ITS BENDING STRENGTH PREPARATION OF SILICA FROM RICE HUSKS
- PREPARATIONS AND CHARACTERISATION OF MICROPOROUS PROPERTIES OF POROUS PIEZOELECTRIC CERAMICS
- SYNTHESIS OF CERAMIC MATERIALS BASED ON SIMPLE MATHEMATICAL MODEL FOR SAMPLE CONDITIONING FLUE GAS PROBE
- SILICA-BASED MESOPOROUS MOLECULAR SIEVES DERIVED FROM SINTERING BEHAVIOUR OF (Y<sub>2</sub>O<sub>3</sub>-ZrO<sub>2</sub> GELS)
- SMALL ANGLE NEUTRON SCATTERING STUDY OF THE STRUCTURE STRUCTURE AND MECHANICAL BEHAVIOUR OF CERAMIC FOAMS STUDY ON THE POROUS GLASS-CERAMICS IN THE PHOSPHATE SYNTHESIS AND CHARACTERISATION OF A NOVEL MICROPOROUS SYNTHESIS OF MICROPOROUS CERAMICS
- SYNTHESIS OF A MICROPOROUS MgAl<sub>2</sub>O<sub>4</sub> SPINEL FROM SYNTHESIS OF POROUS BARIUM TITANATE USING TEMPERATURE PROGRAMMED DESORPTION VS N<sub>2</sub> DESORPTION IN TISSUE ENGINEERING OF BONE BY OSTEOINDUCTIVE TRIBOLOGICAL PROPERTIES OF OIL-RETAINING POROUS WATER ADSORPTION AND DESORPTION ISOTHERMS OF SILICA WELL PROPERTIES OF NEW POROUS CARBON MATERIALS: WELL TREATMENT
- POROUS MATERIALS
- BASE BODY OF A REFLECTING MIRROR AND METHOD FOR THE CHEMICAL MODIFICATION OF POROUS GLASS USING ZIRCONIUM COMBUSTION SYNTHESIS OF POROUS PERMEABLE CERAMIC COMMENT ON "DEPENDENCE OF CERAMICS FRACTURE PROPERTIES CONTROLLING THE POROSITY OF MICROPOROUS SILICA BY CORRELATION OF PHOTOLUMINESCENCE SPECTRA AND STRUCTURE DETECTION OF CRYPTOSPORIDIUM PARVUM IN ANTIBODY-DOPED DETERMINATION OF THE HYDROXYL CONTENT IN GELS AND DIFFUSION OF  $SO_2$  IN POROUS SOL-GEL GLASS
- FABRICATION OF POROUS CAST-IRON BONDED DIAMOND HONEYCOMB BATTERY SEPARATOR
- INFLUENCE OF POROSITY AND PORE SIZE ON THE COMPRESSIVE INHOMOGENEOUS DISTRIBUTION OF TiO<sub>2</sub> IN POROUS GLASS MECHANICAL PROPERTIES OF POROUS CARBON MATERIALS. I.E. METHOD OF MANUFACTURING CERAMICS USING A POROUS MOLD METHOD OF MANUFACTURING MULTILAYERED CERAMIC MICROPORE CHARACTERISATION USING THE DUBININ-ASTAKHOV PHOTOACOUSTIC EFFECT IN POROUS SILICON: PECULIARITIES OF PHOTOLUMINESCENCE IN POROUS SPATTERED POLYSILICON PHYSCOMECHANICAL PROPERTIES OF SIBIRFOM, A POROUS POROUS SILICON OXYCARBIDE GLASSES
- POROUS SOL-GEL CERAMICS
- PREPARATION OF POROUS GLASS-CERAMICS WITH A SKELETON PROPERTIES OF POROUS GLASS AFTER IMPREGNATION WITH RESISTIVE GAS SENSING, ESPECIALLY FOR DETECTION OF SIBIRFOM WITH A BRECCIATED STRUCTURE
- SOLID OXIDE FUEL CELL STACK
- SYNTHESIS AND CHARACTERISATION OF INORGANIC GELS IN A SYNTHESIS OF POROUS MATERIALS USING GAMMA RAY PHASE TEXTURE OF COKE DEPOSITING ON TAMMA- $Al_2O_3$  BIPOROUS THEORETICAL EVALUATION OF PILLARED CLAY ADSORBENTS.
- THERMAL INSULATION OF GLASS FURNACE CROWNS UTILISATION OF FLY ASH AND POLYPROPYLENE WASTES IN THE ZEOLITE SYNTHESIS WITH AMINO ACID DIRECTING AGENTS
- PORTLAND CEMENT
- HYDRAULIC SUBSTANCE WITH WATER STABLE PARTICLE COATING LIGHTWEIGHT CEMENTITIOUS COMPOSITIONS AND METHODS OF LIGHTWEIGHT, LOW WATER CONTENT CEMENTITIOUS METHOD OF MAKING CONCRETE FROM BASE METAL SMELTER SLAG PORTLAND CEMENT COMPOSITION
- POTASSIUM
- GROUP MINERAL HARWANNE, KAOLIN, FELDSPAR & QUARTZ PORTUGAL FULL SPEED AHEAD
- POTASH
- NORTH AMERICAN MINERAL SALTS
- POTASSIUM
- ALTERNATIVES FOR FERMIL LEVEL LOCATION IN CUBIC COATING COMPOSITIONS FOR THE INNER WALL OF CATHODE-RAY CRYSTALLINE HYDRATED LAYERED SODIUM AND POTASSIUM MCFC ELECTROLYTE BEHAVIOUR: LiK VS LiNa CARBONATE POTASSIUM LITHIUM TANTALATE NIOBATE PHOTOREFRACTIVE PREPARATION OF AXIALLY TITANIUM DIOXIDE
- POTASSIUM ALUMINOSILICATE
- BORON FOR ALUMINUM SUBSTITUTION IN THE KAISIOB CRYSTAL GROWTH AND PHASE TRANSITION OF PIEZOELECTRIC POTASSIUM BOROSILICATE
- BORON FOR ALUMINUM SUBSTITUTION IN THE KAISIOB POTASSIUM CARBONATE
- MIXED LITHIUM CARBONATE - METAMORPHOSIS FOR LITHIUM POTASSIUM MANGANESE OXIDE
- SYNTHESIS OF BIRNESITE-TYPE POTASSIUM MANGANESE OXIDE POTASSIUM NIOBATE
- DOMAIN STRUCTURE-SECOND HARMONIC GENERATION OPTICAL PROPERTIES OF EPITAXIAL KNbO<sub>3</sub> AND Fe-DOPED POTASSIUM-LITHIUM NIOBATE CRYSTALS
- POTASSIUM NITRATE

- 76-06562P  
76-06982P  
76-01449A  
76-04363A  
76-00674A  
76-05987A  
76-01682P  
76-08138C  
76-01668A  
76-06759P  
76-01824A  
76-01459A  
76-08484A  
76-01873A  
76-06006A  
76-04889P  
76-02079P  
76-01944A  
76-08626P  
76-01485A  
76-02289A  
76-09248A  
76-00482C  
76-07447C  
76-04306A  
76-01769A  
76-08549C  
76-04276A  
76-08927A  
76-05557A  
76-06711P  
76-06715P  
76-01635A  
76-07955C  
76-09222A  
76-04544A  
76-01522A  
76-08939C  
76-07963C  
76-04370C  
76-09293P  
76-06165A  
76-01536A  
76-06807A  
76-01906A  
76-00287A  
76-04058A  
76-02182P  
76-06085A  
76-00444A  
76-06177A  
76-04189A  
76-04301A  
76-06182A  
76-02310A  
76-01722P
- 76-01669P  
76-05169A  
76-08882C  
76-06983A  
76-06390C  
76-03166A  
76-06110C  
76-06361A  
76-02549A  
76-02395A  
76-01801P  
76-06846A  
76-07205A  
76-04903A  
76-01336P  
76-06682P  
76-08831A  
76-03264A  
76-03262A  
76-05012A  
76-02562A  
76-08393A  
76-07224A  
76-06334P  
76-06513P  
76-06965A  
76-00794P  
76-08422A  
76-01301A  
76-06810A  
76-08428A  
76-08429A  
76-03903A  
76-08437A  
76-04693P
- 76-02472P  
76-02474P  
76-05039P  
76-02479P  
76-08639P
- 76-06375A  
76-03013A
- 76-06037A
- 76-03503A  
76-04208P  
76-08989P  
76-05414C  
76-06364P  
76-06717P
- 76-08455A  
76-07885A  
76-08455A
- 76-06031A  
76-06175A
- 76-03371A  
76-03410C  
76-01909P



- MINISAL LITHIUM CARBONATE - METAMORPHOSIS FOR LITHIUM  
**POTASSIUM TANTALUM NIOBATE**  
 XPS STUDY ON COMPOSITION AND STRUCTURE OF EPITAXIAL  
**POTASSIUM TITANATE**  
 MICROSTRUCTURAL EVOLUTION OF POTASSIUM HEXATITANATE  
 SYNTHESIS OF HIGH SURFACE AREA POTASSIUM HEXATITANATE  
**POTASSIUM TITANYL PHOSPHATE**  
 WAVEGUIDE FORMATION OF KTiPO<sub>4</sub> BY MULTIENERGY MeV He<sup>+</sup>  
**POTASSIUM ZINC TITANATE**  
 SINGLE-CRYSTAL K<sub>2</sub>(Zn<sub>2</sub>Ti<sub>8</sub>O<sub>16</sub>)<sub>2</sub> PHOSPHATES: GROWTH AND  
**POTASSIUM ZIRCONIUM PHOSPHATE**  
 TRANSLUCENT LOW-THERMAL EXPANSION CERAMICS  
**POTTERY**  
 POTTERY AND PIGMENTS IN ARIZONA: SALADO POLYCHROME  
**POTTERY INDUSTRY**  
 JAPANESE CERAMICS AND BALL CLAYS  
 JAPANESE POTTERY: CENTURIES OF TRADITION CONTINUE  
 NON-FIBROUS INORGANIC PARTICLES IN BRONCHOALVEOLAR  
**POWDER**  
 ELECTROPHORETIC DEPOSITION OF COMPACTS OF NANOSIZED  
**POWDER COMPACTS**  
 ADVANCES IN CHARACTERISATION OF MACHINED GREEN  
 ANALYSIS OF AGGLOMERATED PACKINGS  
 CHARACTERISATION OF DIE-PRESSED GREEN COMPACTS  
 DENSIFICATION OF ULTRAFINE Si<sub>3</sub>N<sub>4</sub>-SiC POWDER COMPACTS  
 DETERMINATION OF THE MECHANICAL RESPONSE OF SINTERING  
 EVOLUTION OF SHAPE OF DIE-PRESSED CERAMIC COMPACTS  
 MASTER SINTERING CURVE: A PRACTICAL APPROACH TO  
 NOVEL CHARACTERISATION METHOD FOR THE PROCESSING OF  
 PLASTIC-TO-BRITTLE TRANSITION OF SATURATED, ALUMINA  
 SINTERING OF FIBROUS BARIUM TITANATE POWDER COMPACTS  
 SLIP CASTING OF ALUMINA POWDER MIXTURES WITH BIMODAL  
 STUDY ON THERMAL SHOCK RESISTANCE OF Si<sub>3</sub>N<sub>4</sub>-SiC COMPACT  
 TEMPERATURE PROFILE OF ANATASE-TiO<sub>2</sub> POWDER COMPACT  
 THICKNESS RATIO OF SPINEL FORMATION AND EXPANSION OF  
**POWDER METALLURGY**  
 APPLICATION OF POLY(METHYLSILANE) AND NICALON  
 CONCEPT AND P/M FABRICATION OF FUNCTIONALLY GRADIENT  
 EXTRUSION PROCESS FOR MANUFACTURE OF BULK FUNCTIONALLY  
 FABRICATION AND MICROSTRUCTURE OF ZrO<sub>2</sub>-Ni FUNCTIONAL  
 FGM COMPONENTS: PM MEETS THE CHALLENGE  
 ORGANIC ADDITIVE AND CERAMIC PROCESSING, 2ND EDITION:  
 POWDER PROCESSING OF AA 6061 ALUMINIUM METAL MATRIX  
**POWDERS**  
 (1-x)Pb(Mg<sub>1/2</sub>Nb<sub>1/2</sub>)<sub>2</sub>O<sub>3</sub>-xPb(Fe<sub>1/2</sub>Nb<sub>1/2</sub>)<sub>2</sub>O<sub>3</sub> POWDERS BY  
 ACIDIC/BASIC EFFECTS ON PREPARATION OF ZIRCONIA  
 ADVANCES IN CHARACTERISATION OF MACHINED GREEN  
 ADVANCES IN SPRAY-DRIED POWDER PROCESSING FOR TILE  
 ALTERNATIVE ROUTE FOR SYNTHESIS OF BARIUM TITANYL  
 ALUMINA POWDERS FROM ALUMINIUM NITRATE-UREA AND  
 ALUMINA-BASED CERAMIC MATERIAL AND METHOD OF  
 ALUMINIUM NITRIDE CAN CUT THE MUSTARD  
 ALUMINIUM NITRIDE POWDER  
 ALUMINIUM NITRIDE SYNTHESIS WITH ALUMINIUM HALIDES AND  
 ANALYSIS OF DIFFERENT ROUTES FOR SYNTHESISING  
 ANISOTROPY OF THE GREEN COMPACTS PREPARED FROM  
 APPARATUS FOR PRODUCING NANOSCALE CERAMIC POWDERS  
 APPARATUS FOR PRODUCTION OF CERAMICS REINFORCED WITH  
 AQUEOUS SOL-GEL SYNTHESIS OF ZIRCON: STRUCTURAL  
 ASPECTS OF SYNTHESIS, STRUCTURE AND MAGNETISM OF  
 ATMOSPHERE EFFECTS ON COMBUSTION SYNTHESIS OF SiC AND  
 BALL MILLING INDUCED LOW-TEMPERATURE CARBOTHERMIC  
 BIOCOMPATIBILITY SCREENING OF SILANE-TREATED  
 BISMUTH TITANATE FROM NANOCOMPOSITE AND SOL-GEL  
 BORON NITRIDE-CONTAINING MATERIAL AND METHOD THEREOF  
 CALCULATION OF THE DIMENSIONAL VOLUME DEGREE FOR  
 CARBON MONOXIDE OXIDATION ON (Mg<sub>0.5</sub>-xAl<sub>x</sub>)<sub>2</sub>MnO<sub>8</sub> (x =  
 CARBOTHERMAL NITRIDATION SYNTHESIS OF ALPHA-Si<sub>3</sub>N<sub>4</sub>  
 CARBOTHERMAL REDUCTION OF CLAYS TO FORM Al<sub>2</sub>O<sub>3</sub>-SiC  
 CARBOTHERMAL REDUCTION SYNTHESIS OF ALUMINIUM  
 CARBOTHERMAL REACTION PROCESS FOR MAKING NANOPHASE  
 CATHODIC ELECTROSYNTHESIS OF CERAMIC DEPOSITS  
 CERAMIC COLOR COMPOSITION AND PROCESS FOR PRODUCING A  
 CERAMIC INJECTION MOLDING MEETS THE DEMAND FOR  
 CERAMIC OXIDE CIRCUIT BOARD  
 CERAMIC POWDER ENGINEERING FROM HOMOGENEOUS SYSTEMS AS  
 CERAMIC POWDER SYNTHESIS: HOMOGENEOUS PRECIPITATION BY  
 CERAMIC PREFORMS COMBING MONOCRYSTALLINE HEXAGONAL  
 CHARACTER OF REACTION KINETICS FOR PRODUCING ULTRAFINE  
 CHARACTERISATION AND LOW-TEMPERATURE SINTERING OF  
 CHARACTERISATION AND SINTERING BEHAVIOUR OF  
 CHARACTERISATION OF La<sub>1-x</sub>Sm<sub>x</sub>MnO<sub>3</sub> PLUS OR MINUS DELTA  
 CHARACTERISATION OF LASER SYNTHESISED SILICON NITRIDE  
 CHARACTERISATION OF MICRO- AND MACROSTRUCTURE OF  
 CHARACTERISATION OF MONO- AND DIPHASIC MULLITE  
 CHARACTERISATION OF NANOCRYSTALLINE CERAMIC OXIDE  
 CHARACTERISATION OF THE SECONDARY PROPERTIES OF  
 CHARACTERISATIONS OF ULTRAFINE LASER SYNTHESISED WC  
 CHARACTERISTICS OF AEROSOL-SYNTHESISED AIR PARTICLES  
 CHEMICAL FORMATION OF CERAMICS  
 CHEMICAL PREPARATION OF LEAD-CONTAINING NIOBATE  
 CHEMICAL PREPARATION OF RELAXOR COMPOUNDS CONTAINING  
 CHEMICAL PROCESSING AND CHARACTERISATION OF  
 CHEMICAL SYNTHESIS AND CHARACTERISATION OF MgO-Fe  
 CHEMICAL SYNTHESIS OF BARIUM ZIRCONATE TITANATE POWDER  
 CHEMICAL VAPOUR DEPOSITION OF SiC + C IN ELECTRIC AND  
 CLEAN ROOM PROCESSING OF AN ALUMINA CERAMIC  
 COATING CONTAINING DIMOLYBDENUM CARBIDE PRECIPITATES  
 COLD ISOSTATIC PRESSING AS A METHOD OF PRE-FORMING  
 COLLOIDAL PROCESSING  
 COLLOIDAL PROCESSING OF A VERY FINE BaTiO<sub>3</sub> POWDER -  
 COLOURED CERAMIC COMPOSITION AND METHOD FOR PRODUCING  
 COMBUSTION SYNTHESIS AND PROPERTIES OF  
 COMBUSTION SYNTHESIS OF PEROVSKITE LaCoO<sub>3</sub> POWDERS  
 COMPACTING OF SILICON CARBIDE WITH AN INSTRUMENTED  
 COMPACT ABILITY AND INFLUENCE OF THE COMPACTION  
 COMPOSITE CERAMIC  
 COMPOSITE PARTICLE BY NANO-SCALE COATING  
 COMPOSITION AND MICROSTRUCTURE OF NANOSIZED, AMORPHOUS  
 CONDITIONS OF HYDROXYAPATITE SYNTHESIS  
 CONDUCTION PROPERTIES OF OXIDE ION CONDUCTOR  
 CONSOLIDATION OF NANO-CRYSTALLINE ZrO<sub>2</sub>  
 CONSOLIDATION OF TiB<sub>2</sub> POWDERS PRODUCED BY PLASMA  
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 CONTROL OF PARTICLE SIZE IN Si<sub>3</sub>N<sub>4</sub> POWDERS PREPARED BY  
 CONTROLLED DOUBLE-JET PRECIPITATION OF UNIFORM  
 CONVERSION OF SUCCINATE- AND ADIPATE-COORDINATED  
 CONVERSION PROCESS OF CHLORINE CONTAINING POLYSILANES  
 COPRECIPITATION AND HYDROTHERMAL SYNTHESIS OF  
 COPRECIPITATION OF Al<sub>2</sub>O<sub>3</sub>-ZrO<sub>2</sub> POWDERS FROM MOLTEN  
 COPRECIPITATION PROCESS FOR PREPARATION OF NICKEL  
 CORRELATION BETWEEN SURFACE AREA REDUCTION AND
- 76-06031A  
 76-00996A  
 76-03989A  
 76-03787A  
 76-03798A  
 76-05444A  
 76-04191A  
 76-07387A  
 76-06025A  
 76-05316A  
 76-02366A  
 76-01208C  
 76-03669A  
 76-01861A  
 76-08130A  
 76-01922A  
 76-02219A  
 76-05842C  
 76-04467A  
 76-01373C  
 76-04390A  
 76-03544A  
 76-01280A  
 76-07348A  
 76-04183A  
 76-02955A  
 76-08345A  
 76-02491A  
 76-05844A  
 76-02499A  
 76-06228A  
 76-08193B  
 76-05068A  
 76-03356A  
 76-01903A  
 76-03669A  
 76-03920A  
 76-03916A  
 76-03918A  
 76-02040P  
 76-05332A  
 76-08862P  
 76-05333C  
 76-08876A  
 76-01905C  
 76-05959P  
 76-08325P  
 76-05820C  
 76-01907A  
 76-03919C  
 76-05822A  
 76-03920A  
 76-07875A  
 76-06550P  
 76-05971C  
 76-04410A  
 76-04230A  
 76-06381C  
 76-08647A  
 76-08976P  
 76-01579A  
 76-08325P  
 76-06127A  
 76-06561P  
 76-05974C  
 76-05975C  
 76-03920A  
 76-08347A  
 76-03463A  
 76-08456A  
 76-05976C  
 76-02204A  
 76-04358A  
 76-04076A  
 76-05978C  
 76-08260A  
 76-05979C  
 76-04360A  
 76-01914C  
 76-08083A  
 76-05639C  
 76-06674P  
 76-05980C  
 76-03363A  
 76-05828A  
 76-01175C  
 76-01583A  
 76-06353P  
 76-03678A  
 76-01816C  
 76-06761A  
 76-06573P  
 76-02021P  
 76-04416A  
 76-05983C  
 76-05832C  
 76-00322C  
 76-06674P  
 76-01117A  
 76-04235A  
 76-04420C  
 76-00676A  
 76-08461A  
 76-04236C  
 76-08986P  
 76-04238A  
 76-07884A  
 76-08653A  
 76-03324A  
 76-08355A  
 76-03933A  
 76-06354C  
 76-08812A
- COUNTERFLOW DIFFUSION FLAME SYNTHESIS OF CERAMIC OXIDE  
 CRYSTALLISATION OF YTTRIA UNDER HYDROTHERMAL  
 DENSIFICATION MAPS FOR NANO-SIZED POWDERS  
 DENSIFICATION OF CERAMIC NANOMETRE-SIZED POWDERS BY  
 DENSIFICATION OF ULTRAFINE SiC POWDERS  
 DEPENDENCE OF COMPACTON BEHAVIOUR OF SPRAY-DRIED  
 DEPENDENCE OF OSTEOBLASTIC RESPONSE ON VARIATIONS IN  
 DETERMINATION OF THE MONOCLINIC, TETRAGONAL AND CUBIC  
 DEVELOPING OF Si<sub>3</sub>N<sub>4</sub> AND SiC-BASED COMPOSITE CERAMIC  
 DEVELOPMENT OF FERROFERRITE RATIO IN A SINTERING PROCESS  
 DIAMOND SINTER, HIGH-PRESSURE PHASE BORON NITRIDE  
 DIELECTRIC STABLE AT HIGH TEMPERATURE  
 DIRECT NITRIDATION OF SILICON POWDER IN  
 DISPENSER FOR CERAMIC POWDERS  
 DISPERSION AND DISPERSANTS FOR CERAMIC POWDERS  
 DISPERSION EFFICIENCY OF POWDERS OF THE Al<sub>2</sub>O<sub>3</sub>-(ZrO<sub>2</sub> +  
 DOLUOMA ACTIVATED FINE POWDER PREPARATION AND  
 DRAWING AND OBSERVATION OF ELECTRIFIED IMAGES ON  
 DYNAMIC COMPACTION OF CERAMIC POWDERS  
 76-08987P  
 76-04086A  
 76-08814A  
 76-05992C  
 76-01738A  
 76-03464A  
 76-06319A  
 76-08471A  
 76-06395C  
 76-01738A  
 76-02075P  
 76-07478P  
 76-06221C  
 76-08144A  
 76-08176A  
 76-05996A  
 76-05250C  
 76-00895A  
 76-01197C  
 76-08147A  
 76-08089A  
 76-03942A  
 76-08478A  
 76-01595A  
 76-08665A  
 76-08811A  
 76-06001A  
 76-05375A  
 76-06296C  
 76-06322C  
 76-08811A  
 76-03465A  
 76-03374C  
 76-01057A  
 76-08118A  
 76-06323A  
 76-01458A  
 76-08150A  
 76-08037A  
 76-05216A  
 76-01811A  
 76-01931C  
 76-01750A  
 76-08486A  
 76-03383C  
 76-03491P  
 76-00771P  
 76-06413A  
 76-04561P  
 76-01932A  
 76-08811A  
 76-07434A  
 76-07911A  
 76-05846A  
 76-02501C  
 76-08811A  
 76-05656C  
 76-05847C  
 76-08496A  
 76-05849C  
 76-08497A  
 76-08498A  
 76-01940A  
 76-05755A  
 76-08371A  
 76-08372A  
 76-06127C  
 76-03956A  
 76-01213A  
 76-03957A  
 76-08811A  
 76-06008A  
 76-06567A  
 76-05850C  
 76-04111A  
 76-03707A  
 76-06231A  
 76-03960A  
 76-01834C  
 76-08811A  
 76-03961A  
 76-06009C  
 76-06028A  
 76-08164A  
 76-04151A  
 76-01747A  
 76-04117A  
 76-08050A  
 76-08044A  
 76-03390P  
 76-03965C  
 76-06016C  
 76-01479A  
 76-06018A  
 76-06019A  
 76-05662C  
 76-06128C  
 76-00923A  
 76-07918A  
 76-04251A  
 76-03967A  
 76-08171  
 76-04329A  
 76-04045A  
 76-02871A  
 76-04710A  
 76-06235A  
 76-02995C  
 76-08907A  
 76-08163A  
 76-01487A  
 76-03474A  
 76-01952A  
 76-01616A  
 76-06238A  
 76-09240A  
 76-01021A  
 76-01619A  
 76-04373C  
 76-01632A  
 76-01956A  
 76-01957C  
 76-06240C  
 76-06448A  
 76-01620A

- INVESTIGATION OF THE MECHANISM OF UNFIRED QUARTZ KINETICS AND MECHANISMS OF HYDROTHERMAL SYNTHESIS OF KINETICS OF SILICON MONOXIDE AMMONOLYSIS FOR NANOPHASE KINETICS OF THERMAL OXIDATION OF SILICON NITRIDE
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- LASER SYNTHESIS OF NANOMETRIC SILICA-BASED POWDERS
- LOW TEMPERATURE AQUEOUS SYNTHESIS AND SINTERING OF LOW TEMPERATURE SOLIDIFICATION OF CALCIUM CARBONATE
- LOW-TEMPERATURE AQUEOUS SYNTHESIS (LTAS) OF CERAMIC
- LOW-TEMPERATURE CHEMICAL SYNTHESIS OF LANTHANUM
- LOW-TEMPERATURE SINTERING AND MICROSTRUCTURAL
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- MAGNETIC RECORDING MEDIA HAVING A MAGNETIC LAYER
- MAGNETIC RECORDING MEDIUM CONTAINING MAGNETIC POWDER
- MAKING CERAMIC POWDERS FROM MOLTEN SALTS
- MAS-NMR INVESTIGATION OF SILICON OXOCARBIDE
- MATERIALS FROM LOW COST SILICON NITRIDE POWDERS
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- MEASURING RELATIVE FLOWABILITY OF POWDERS
- MECHANICAL ALLOYING OF NANOCRYSTALLINE VS2/SIC
- MECHANICAL PROPERTIES AND FRACTURE BEHAVIOUR OF MECHANISMS OF CONSTANT-RATE FILTER PRESSING OF HIGHLY
- MECHANISMS OF Al AND TITANIA HYDROGEL COMPLEX
- MECHANOCHEMICAL CAPILLARY REACTIONS IN PARTLY
- METAL COATING ONTO INORGANIC POWDER
- METAL MATRIX COMPOSITIONS AND METHOD OF MANUFACTURE
- METASTABLE TETRAGONAL ZIRCONIA IN POROUS POWDER
- METHOD FOR MAKING METAL OXIDE SPUTTERING TARGETS
- METHOD FOR OBTAINING HIGH-DENSITY GREEN CERAMICS FROM
- METHOD FOR PREPARATION OF FERRITE POWDERS AT ROOM
- METHOD FOR PRODUCING HIGH-DENSITY SINTERED SILICON
- METHOD FOR PRODUCING METAL AND CERAMIC SINTERED BODIES
- METHOD FOR PRODUCING METAL OXIDE POWDERS
- METHOD FOR PRODUCTION OF POWDERS
- METHOD FOR REPAIR OF COATINGS ON CARBON-CARBON
- METHOD OF MAKING ARTIFICIAL TOOTH VENEER
- METHOD OF MAKING A CERAMIC BODY
- METHOD OF MAKING HEAT- AND IMPACT-RESISTANT COMPOSITE
- METHOD OF MAKING MOISTURE-RESISTANT ALUMINIUM NITRIDE
- METHOD OF MAKING A SOLID MAGNETIC MATERIAL FROM Sm<sub>2</sub>
- METHOD OF MANUFACTURING CERAMIC SUPERCONDUCTOR CIRCUIT
- METHOD OF MANUFACTURING A COMPOSITE SINTERED BODY
- METHOD OF MANUFACTURING LAMINATED CERAMIC CAPACITOR
- METHOD OF MANUFACTURING SURFACE-MODIFIED CERAMIC
- METHOD OF MONITORING THE FABRICATION OF Bi-2223
- METHOD OF PREPARING CEMENTED CARBIDE OR CERMET ALLOY
- METHOD OF PREVENTING POWDER PACKING IN A POWDER SUPPLY
- METHODS FOR MAKING WC-CONTAINING BODIES
- MgO RAW MATERIAL IMPROVED THE HYDRATION RESISTANCE
- MgO RAW MATERIAL WITH IMPROVED HYDRATION RESISTANCE
- MICROSTRUCTURAL DEVELOPMENT OF BaTiO<sub>3</sub> POWDERS
- MICROSTRUCTURAL EVOLUTION IN THE COMBUSTION SYNTHESIS
- MICROSTRUCTURE DEVELOPMENT OF MULLITE-ALUMINA
- MICROWAVE SINTERING OF AMORPHOUS SILICA POWDERS
- MICROWAVE-HYDROTHERMAL PROCESSING OF LAYERED ANION
- MILD SYNTHESIS OF A Cu<sub>8</sub>Zn<sub>2</sub>(Ca)<sub>2</sub>Co<sub>2</sub> SUPERCONDUCTOR
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- MODERN HIGH-DENSITY OXIDE CERAMICS WITH CONTROLLED
- MODIFICATIONS OF ALPHA-ALUMINA UNDER HYDROTHERMAL
- MODIFIED MODEL DESCRIBING THE COMPACTION BEHAVIOUR OF NANOLITHIC REFRACTORIES
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- MORPHOLOGICAL STUDY OF ALUMINA POWDER DERIVED FROM
- MORPHOLOGY OF LANTHANUM CARBONATE PARTICLES PREPARED
- MOSSBAUER STUDY OF AMORPHOUS Al<sub>2</sub>O<sub>3</sub>:Eu<sup>3+</sup>
- MOLDED CERAMIC ARTICLES AND PRODUCTION METHOD THEREOF
- MOVING BED PROCESS FOR CARBOTHERMALLY SYNTHESIZING
- NANOCRYSTALLINE BaTiO<sub>3</sub> FROM FREEZE-DRIED NITRATE
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- NANOMETRIC Si-BASED OXIDE POWDERS: SYNTHESIS BY LASER
- NEAR NET SHAPE PROCESSING OF CONTINUOUS LENGTHS OF
- NEW SINTER SYSTEM FOR CERAMIC INJECTION MOLDING
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- NEW SOLUTION ROUTE TO SILICATES. PT.4. SUBMICRONIC
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- NOVEL PREPARATION OF CALCIA FULLY STABILIZED ZIRCONIA
- NOVEL ROUTE TO PZT POWDER SYNTHESIS STARTING FROM
- NOVEL TECHNIQUE TO PREPARE ULTRAFINE Fe<sub>2</sub>O<sub>3</sub> VIA
- NUMERICAL MODELLING OF SHOCK-COMPRESSION PROCESSING OF
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- OPERATION OF SPRAY-DRYING OF CERAMIC POWDER ON AN
- OPTIMISATION OF CERAMIC PRECURSOR BY ESA MEASUREMENT
- OXIDATION BEHAVIOUR AND MAGNETIC PROPERTIES OF IRON
- OXIDE FILMS AND NANO-SIZED POWDERS FABRICATED BY
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- PARTICLE GROWTH IN OXALATE PROCESS. PT.1
- PARTICLE GROWTH IN OXALATE PROCESS. PT.2. CONTROL OF
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- PHASE STABILITY AREA OF Ca-ALPHA-SILICON
- PHASE TRANSFORMATION AND CHARACTERISATION OF TiO<sub>2</sub> AND
- PHASE TRANSFORMATIONS AND MELTING EFFECTS DURING THE
- PHASIC AND MICROSTRUCTURAL DEVELOPMENTS OF
- PHOTOLUMINESCENCE STUDY OF (CaO)<sub>1-x</sub>(ZnO)<sub>x</sub> POWDER
- PHYSICO-CHEMISTRY AND CYTOTOXICITY OF CERAMICS. PT.1.
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- PLASMA PROCESS FOR ULTRAFINE Si<sub>3</sub>N<sub>4</sub> POWDER SYNTHESIS
- PLASMA SPRAYING METHOD FOR FORMING DIAMOND AND
- PLASTIC-TO-BRITTLE TRANSITION OF SATURATED, ALUMINA
- POLYMERISED COMPLEX ROUTE TO BARIUM TITANATE POWDERS
- POLYMER-METAL CHELATE PRECURSOR REDUCED ITS FIRING
- PORCELAIN TILE GRANULATION: AESTHETIC BENEFITS
- POWDER BEHAVIOUR DURING DIE COMPACTION OF ALUMINA
- POWDER CHARACTERISTICS BY CHANGE OF REACTING MATERIAL
- POWDER HOT PRESSING AND FRONT PAD EXTRUSION METHOD FOR
- POWDER INJECTION MOLDING AND EXTRUSION
- POWDER PREPARATION AND PROPERTIES OF Nb<sub>2</sub>O<sub>5</sub> AND Ta<sub>2</sub>O<sub>5</sub>
- POWDER PREPARATION AND SINTERING CHARACTERISTICS OF
- POWDER SURFACE CHEMISTRY IN CERAMICS POWDER PROCESSING
- POWERS AND COMPONENTS PRODUCED BY USING SOLID
- PRACTICAL APPROACH TO SINTERING
- PRECIPITATION OF FINELY DIVIDED Al<sub>2</sub>O<sub>3</sub> POWDERS BY A
- PREPARATION AND CHARACTERISATION OF AMORPHOUS LiNbO<sub>3</sub>
- PREPARATION AND CHARACTERISATION OF ULTRA-FINE DIAMOND
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- PREPARATION AND MOSSBAUER SPECTROSCOPY
- PREPARATION AND PROPERTIES OF TRANSPARENT
- PREPARATION AND SINTERING BEHAVIOUR OF SUBMICRONIC
- PREPARATION BY A 'CHIMIE DOUCE' ROUTE AND
- PREPARATION, CHARACTERISATION AND SURFACE STRUCTURE OF
- PREPARATION OF Al<sub>2</sub>O<sub>3</sub>/Si<sub>3</sub>N<sub>4</sub> NANOCOMPOSITE POWDER VIA
- PREPARATION OF AN ALKALI-ELEMENT-DOPED CeO<sub>2</sub>-Sm<sub>2</sub>O<sub>3</sub>
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- PREPARATION OF BARIUM FERRITE NANOCRYSTALLINE POWDERS
- PREPARATION OF BARIUM TITANATE BY HOMOGENEOUS
- PREPARATION OF BETA-ALUMINA POWDER FROM KAOLIN-DERIVED
- PREPARATION OF BETA-SILICON CERAMICS FROM FLY-ASH
- PREPARATION OF CORDIERITE GLASS-CERAMICS FROM
- PREPARATION OF THE AN POWDERS BY WET BALL-MILLING
- PREPARATION OF FINE POWDERS WITH PEROVSKITE STRUCTURE
- PREPARATION OF HEXAGONAL BORON NITRIDE FROM BORIC ACID
- PREPARATION OF HIGH-TEMPERATURE CATALYTIC SUPPORT FROM
- PREPARATION OF LEAD IRON NIOBATE BY SEMI-WET ROUTE
- PREPARATION OF THULIUM UMINATE MONOLITH OF
- PREPARATION OF MAGNESIUM OXIDE, MgO/Si<sub>3</sub>N<sub>4</sub> FROM METAL
- PREPARATION OF MgO-ZrO<sub>2</sub> FROM MOLTEN SALTS
- PREPARATION OF NANOCRYSTALLINE SiC POWDER BY CHEMICAL
- PREPARATION OF NANOCRYSTALLINE MANGANESE OXIDE Mn<sub>2</sub>O<sub>3</sub>
- PREPARATION OF NANOMETRE SIZE OXIDE PARTICLES USING
- PREPARATION OF NANOMETRE-SIZED ZrO<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub> POWDERS BY
- PREPARATION OF NANOSIZE WC-Co COMPOSITE POWDERS BY
- PREPARATION OF NANOSIZED TITANIA POWDER VIA THE
- PREPARATION OF NiFe<sub>2</sub>O<sub>4</sub> POWDER BY SPRAY PYROLYSIS OF
- PREPARATION OF NiO/Y<sub>2</sub>Si<sub>2</sub> ULTRA-FINE POWDER COMPOSITES
- PREPARATION OF PZT BY PEPITISATION OF PRECURSOR
- PREPARATION OF SOLS BY PEPITISATION OF PRECURSOR
- PREPARATION OF SPHERICAL YTRIA-STABILIZED ZIRCONIA
- PREPARATION OF TETRAGONAL ZIRCONIA CERAMICS IN
- PREPARATION OF TIN OXIDE MONOLITH BY THE SOL-GEL
- PREPARATION OF ULTRAFINE MAGNESIUM NITRIDE BY THE
- PREPARATION OF UNIFORM ZINC OXIDE COLLOIDS BY
- PREPARATION OF ZIRCONIA AND SILICON CARBIDE WHISKER
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- PREPARATION OF ZnS AND CdS FINE PARTICLES WITH
- PREPARATION OF ZrO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub> AND ZrO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub> BY THERMAL
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- PROCESS FOR IMPROVING THE DEBINDING RATE OF CERAMIC
- PROCESS FOR PRODUCING ALPHA-ALUMINA POWDER
- PROCESS FOR PRODUCING A CRYSTALLINE SILICON NITRIDE
- PROCESS FOR PRODUCING SINTERED SiC
- PROCESS FOR PRODUCING FINELY DIVIDED INTERMETALLIC AND
- PROCESS FOR PRODUCING HIGH PURITY SILICON CARBIDE
- PROCESS FOR PRODUCING POWDERS OF TRANSITION METAL
- PROCESS FOR PRODUCING SANDWICH STRUCTURES FROM
- PROCESS FOR PRODUCING SINTERED BOND BETWEEN COPPER
- PROCESS FOR THE TREATMENT OF NATURAL APATITES WITH A
- PROCESSING AND CHARACTERISATION OF NANOSCALE LASER
- PROCESSING AND PROPERTIES OF NANOSTRUCTURED Ni-ZrO<sub>2</sub>
- PROCESSING AND SINTERING OF CaB<sub>6</sub>Al<sub>10</sub>Si<sub>10</sub> POWDERS FOR
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- PROCESSING OF DIATOMITE WITH THE VIEW TO DEVELOPING
- PROCESSING OF FINE HYDROXYAPATITE POWDERS VIA AN
- PRODUCING INDIUM OXIDE-TIN OXIDE POWDERS
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- PRODUCTION OF CERAMIC MATERIAL POWDER
- PRODUCTION OF DEFECT-POOR NANOSTRUCTURED CERAMICS OF
- PRODUCTION OF DOPED ZnO POWDERS FOR VARISTOR
- PRODUCTION OF FINE MINERAL POWDERS WITH ALPINE WET
- PRODUCTION OF MAGNETIC OXIDE POWDER
- PRODUCTION OF NANOCRYSTALLINE POWDERS BY SOL-GEL
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- PYROLYTIC CONVERSION OF POLY(METHYLSILOXANE) TO
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- REACTION MECHANISMS AT BaTiO<sub>3</sub> SYNTHESIS BY MICROWAVE
- REACTION PATH IN THE FORMATION OF TITANIUM DIBORIDE BY
- REACTIVE PZT PRECURSOR POWDER BY COPRECIPITATION
- REACTIVITY OF STARTING MATERIALS IN THE BaO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub>-AlN
- REFRACTORY MATERIAL
- REGULATION OF SINTERING TEMPERATURE OF ZIRCONIA-BASED
- RELATION BETWEEN PREPARATION, MICROSTRUCTURE AND
- RESEARCH OF AN OPTIMUM COMPOSITION FOR INCREASING THE
- REMOVAL OF WATER-SOLUBLE POLYMER SLIPS
- ROOM TEMPERATURE PEROVSKITE PRODUCTION FROM BIMETALLIC
- RUTILE FORMATION IN HYDROTHERMALLY CRYSTALLIZED
- SHAPING OF YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub>Y<sub>2</sub>BaCu<sub>3</sub>O<sub>7-x</sub> BULK SUPERCONDUCTING
- SHS POWDERS FOR CERMET POWDER APPLICATIONS
- SILICA AND FABRICATION OF CERAMIC POWDER
- SIC PLATELET-REINFORCED Al<sub>2</sub>O<sub>3</sub> COMPOSITES BY FREE
- SiC/N AND Si/TiC NANOCOMPOSITE POWDERS - PLASMA
- SILICON CARBIDE POWDER SYNTHESIS FROM SILICON MONOXIDE
- SILICON CARBIDE POWDERS WITH HIGH SPECIFIC SURFACE
- SILICON NITRIDE BASED SINTERED PRODUCT
- SILICON NITRIDE POWDER AND ITS MANUFACTURING
- SILICONE-COATED ALUMINA POWDERS BY THE EMULSION
- SILVER HALIDE-CONTAINING PHOTOCROMIC POWDERS OF SiO<sub>2</sub>
- SIMPLE AND NEW ROUTE FOR THE PREPARATION OF HIGH
- SIMPLE SYSTEM FOR THE PREPARATION OF SUBMICROMETRE
- SINTERABLE ALUMINA POWDERS
- SINTERED BODY OF SILICON NITRIDE AND COMPOSITE
- SINTERED MULLITE-ZrO<sub>2</sub> COMPOSITES PREPARED THROUGH
- SINTERED SiC AND METHOD OF MAKING
- SINTERING AND MICROSTRUCTURAL INVESTIGATIONS ON
- SINTERING AND MICROSTRUCTURE OF Al<sub>2</sub>O<sub>3</sub> WITH A COATING
- SINTERING AT LOW TEMPERATURE OF RANDOMLY ORIENTED
- SINTERING BEHAVIOUR AND APPLICATION OF Mg-PSZ CERAMIC
- SINTERING OF FINE OXIDE OF PZT BY THE SOL-GEL
- SINTERING OF FINE OXIDE POWDERS. PT.2. SINTERING
- SINTERING OF MAGNESIUM OXIDE POWDER PREPARED BY
- SINTERING OF NANOSIZED Mn<sub>2</sub>O<sub>3</sub> FERRITE POWDERS
- SINTERING OF PZT CERAMICS FROM HYDROTHERMALLY
- SINTERING OF PZT-CeO<sub>2</sub>, ZrO<sub>2</sub>-Y<sub>2</sub>O<sub>3</sub> AND ZrO<sub>2</sub>-CeO<sub>2</sub>
- SLIP CASTING NANOMETRE-SIZED POWDERS
- SLIP CASTING OF SUBMICRON BaTiO<sub>3</sub> PRODUCED BY
- SOFT CHEMICAL SYNTHESIS AND CHARACTERISATION OF
- SOL-GEL AND MICROWAVE PROCESSING OF MULLITE
- SOL-GEL PROCESSING OF ALKALINE-DERIVED ALPHA-Al<sub>2</sub>O<sub>3</sub>
- SOL-GEL SYNTHESIS AND NMR CHARACTERISATION OF CERAMICS
- SOL-GEL SYNTHESIS AND SINTERING OF PZT BASED POWDERS
- SOL-GEL SYNTHESIS OF LANTHANUM CHROMITE POWDER
- SOLID SOLUTIONS OF METASTABLE TETRAGONAL ZrO<sub>2</sub> AND
- SOLIC STATE KINETICS AND REACTION MECHANISMS FOR THE
- SPECTROSCOPIC COMPARISON OF YBCO SUPERCONDUCTORS
- SPHERICAL NITRIDE
- SPRAY-PYROLYSIS PROCESS OF PREPARING SUPERCONDUCTING
- STRUCTURAL AND GAS-SENSING PROPERTIES OF NANOMETRE TIN
- STRUCTURAL EVOLUTION OF ZrO<sub>2</sub>-DERIVED NANOCRYSTALLINE
- STRUCTURAL INVESTIGATIONS OF SiC-N-CERAMICS FROM
- STRUCTURE, DENSITY AND PROPERTIES EVOLUTION OF
- STRUCTURE EVOLUTION IN THE PbO-ZrO<sub>2</sub>-TiO<sub>2</sub> SOL-GEL
- STUDIES OF THERMAL TREATMENT ON FINE POWDERS OF BaTiO<sub>3</sub>
- STUDY OF THE COMPACTION MECHANISM OF GRANULATED

- STUDY ON SELF-PROPAGATING HIGH-TEMPERATURE SYNTHESIS  
STUDY ON SYNTHESIS AND CHARACTERISATION OF (Ti,Si)C  
STUDY ON TEST METHOD FOR STRENGTH OF CERAMIC SPRAY  
STUDY ON VARIOUS TYPES OF ULTRAFINE POWDER USED IN  
SURFACE MODIFICATION OF ALUMINUM NITRIDE POWDER  
SURFACE TREATING ALUMINUM TRIHYDRATE POWDERS WITH  
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SYNTHESIS AND CHARACTERISATION OF Mg<sub>2</sub>Al<sub>2</sub>O<sub>4</sub> SPINEL BY  
SYNTHESIS AND CHARACTERISATION OF THE  
SYNTHESIS AND CHARACTERISATION OF VARIOUS MgO AND  
SYNTHESIS AND CHARACTERISATION OF Y<sub>2</sub>O<sub>3</sub>-ZrO<sub>2</sub> AND  
SYNTHESIS AND CHARACTERISATION OF YTTRIA-STABILISED  
SYNTHESIS AND DENSIFICATION OF MoSi<sub>2</sub> BY  
SYNTHESIS AND FORMATION MECHANISM OF SUBMICROMETRE  
SYNTHESIS AND PHASE TRANSFORMATIONS OF MULLITES  
SYNTHESIS AND PROCESSING OF ZnS/GAP NANOCOMPOSITES  
SYNTHESIS AND SINTERING OF MoSi<sub>2</sub> BY SHS PROCESS  
SYNTHESIS AND SINTERING OF ULTRAFINE Nb<sub>2</sub>O<sub>5</sub> POWDER BY  
SYNTHESIS AND SUPERCONDUCTING PROPERTIES OF THE  
SYNTHESIS AND TEMPERATURE PROFILE ANALYSIS OF ZrC BY  
SYNTHESIS AND THERMAL PROPERTIES OF ZIRCONIUM ORTHO-  
SYNTHESIS, CHARACTERISATION, AND PROPERTIES OF  
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SYNTHESIS OF ALPHA-AI<sub>2</sub>O<sub>3</sub>/SiO<sub>2</sub> COMPOSITE POWDERS FOR  
SYNTHESIS OF ALUMINUM TITANATE POWDER BY DIFFERENT  
SYNTHESIS OF HIGH SURFACE AREA POTASSIUM HEXATITANATE  
SYNTHESIS OF HYDROXYAPATITE POWDERS BY HOMOGENEOUS  
SYNTHESIS OF LiNiO<sub>2</sub> POWDERS BY A SOL-GEL METHOD  
SYNTHESIS OF A MICROPOROUS MgAl<sub>2</sub>O<sub>4</sub> SPINEL FROM  
SYNTHESIS OF Mn-Zn FERRITE BY ALCOHOLIC DEHYDRATION  
SYNTHESIS OF NANOMETRE-SIZED POWDERS OF ALUMINA AND  
SYNTHESIS OF NANOSIZED PEROVSKITE-TYPE OXIDE POWDERS  
SYNTHESIS OF NICKEL SULPHIDE POWDERS BY THIOACETAMIDE  
SYNTHESIS OF NOVEL PRECURSORS FOR PMN POWDERS AND THE  
SYNTHESIS OF OXYNITRIDE POWDERS VIA FLUIDISED-BED  
SYNTHESIS OF Pb(Mg<sub>1/3</sub>Nb<sub>2/3</sub>)<sub>2</sub>O<sub>3</sub> POWDER BY SOLVENT  
SYNTHESIS OF POLYTITANATES FROM Ba(OH)<sub>2</sub>-TiO<sub>2</sub>-H<sub>2</sub>O  
SYNTHESIS OF PYROCHLORE-FREE 0.9 Pb(Mg<sub>1/3</sub>Nb<sub>2/3</sub>)<sub>2</sub>O<sub>3</sub>-0.1  
SYNTHESIS OF RED-EMITTING PARTICLES  
SYNTHESIS OF SiO<sub>2</sub>-BaO POWDER BY AQUEOUS SOL-GEL  
SYNTHESIS OF SPHERICAL BETA-SILICON CARBIDE PARTICLES  
SYNTHESIS OF SUBMICROMETRE TITANIUM CARBIDE POWDERS  
SYNTHESIS OF SUBMICRON PbTiO<sub>3</sub> PARTICLES BY THE  
SYNTHESIS OF YTTRIUM IRON GARNET POWDER BY SPARK-DISCHARGE  
SYNTHESIS OF ULTRAFINE LiCoO<sub>2</sub> POWDERS BY THE SOL-GEL  
SYNTHESIS OF ULTRAFINE NiO-YSZ POWDERS BY GNP (GLYCINE  
SYNTHESIS OF WELL-SINTERABLE ALUMINA POWDER BY  
SYNTHESIS OF YTTRIA-STABILISED ZIRCONIA NANOPARTICLES  
SYNTHESIS OF YTTRIUM IRON GARNET POWDER BY HOMOGENEOUS  
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SYNTHESIS ROUTES AND CHARACTERISATION OF HIGH-PURITY  
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- THERMAL PROCESSING OF Ni-YSZ  
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TiN OXIDE BASED CONDUCTIVE POWDERS AND COATINGS
- TITANIA AND SILICA POWDERS PRODUCED IN A COUNTERFLOW  
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ULTRAFINE CERAMIC AND REFRACTORY MINERAL PROCESSING IN  
ULTRAFINE CERAMIC & REFRACTORY MINERAL PROCESSING IN  
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ULTRASONIC COMPACTING OF ZIRCONIUM CERAMICS FROM  
ULTRASONIC NON-DESTRUCTIVE EVALUATION OF ALUMINA  
UREA FORMALDEHYDE AS PRECURSOR FOR PREPARATION OF  
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USE OF SUCCINIC ACID IN CALCIUM-SULPHATE  
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VARIATION OF THE SHAPE AND MORPHOLOGICAL PROPERTIES OF  
VOLTAGE TUNABLE DIELECTRIC CERAMICS WHICH EXHIBIT LOW  
WET CHEMICAL SYNTHESIS OF NANOCOMPOSITE POWDERS IN THE  
WET CHEMICAL SYNTHESIS OF ZrO<sub>2</sub>-SiO<sub>2</sub> COMPOSITE POWDERS  
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XPS ANALYSIS OF GRINDING SOLVENT EFFECT FOR SURFACE  
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YIG-FIBRES AND THIN FILMS VIA SOL-GEL-PROCESSING  
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ZINC OXIDE POWDER HAVING HIGH DISPERSIBILITY  
ZIRCONIA-YTTRIA GRANULES SPRAY DRIED FROM WATER AND  
ZrO<sub>2</sub> POWDER SYNTHESIS BY CONTROLLED HYDROLYSIS OF
- POWER  
MINIATURE CERAMIC FUEL CELL
- POWER PLANTS  
CARBONATE FUEL CELL-POWER PLANT DEVELOPMENT AND  
CARBONATE FUEL CELLS-A DECADE OF PROGRESS  
COMPARATIVE ANALYSIS OF INTERNAL FED METHANE SOFC:  
DESIGN AND TESTING OF SOFC INTERCONNECTORS WITH AN  
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DEVELOPMENT OF SODIUM-SULPHUR BATTERY FOR  
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INTEGRATION OF SOLID OXIDE FUEL CELLS INTO POWER  
MODEL OF COAL FUELLED SOFC POWER STATION  
PROTECTIVE OXIDES IN COAL-FIRED COMBINED CYCLE POWER  
SOLID OXIDE ELECTROLYTE FUEL CELL REVIEW  
TECHNOLOGICAL CHALLENGES AND FUTURE BOUNDARY  
TUBULAR SOLID OXIDE FUEL CELL POWER SYSTEMS  
USE OF COMBINED HEAT AND POWER PLANTS IN THE BRICK AND
- POZZOLAN  
CONVERSION-PREVENTING ADDITIVE FOR HIGH ALUMINA CEMENT  
PROCESSED SILICA AS A NATURAL POZZOLAN FOR USE AS A  
PRASEODYMIA  
PRASEODYMIUM-MANGANESE OXIDE LAYER FOR USE IN FIELD  
PRASEODYMIUM  
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OPTICAL CHARACTERISATION OF Pr sup<sub>3</sub> AND Dy sup<sub>3</sub>  
PHOTOINDUCED ANISOTROPY AND PHOTOREFRACTION IN  
Pr sup<sub>3</sub> DOPED Ge-Si GLASSES AS CANDIDATE MATERIALS  
STRUCTURAL ASPECTS OF THE SOLUBILITY OF Pr sup<sub>3</sub> IONS
- 76-06080A  
76-04505A  
76-08300A  
76-04003C  
76-04031A  
76-02180P  
76-00741A  
76-08593A  
76-08011A  
76-08423A  
76-04033A  
76-06081A  
76-04509C  
76-06174A  
76-01298A  
76-04510C  
76-04035A  
76-06082A  
76-08071C  
76-01787A  
76-01655A  
76-03442A  
76-04037A  
76-01553A  
76-06083C  
76-03787A  
76-06527A  
76-06530A  
76-06085A  
76-01030A  
76-06086C  
76-07465C  
76-08959A  
76-06086A  
76-04043A  
76-05690A  
76-03443A  
76-07982A  
76-04181A  
76-04513A  
76-02024A  
76-08738A  
76-00992A  
76-01788A  
76-01556A  
76-05459C  
76-01557A  
76-06176A  
76-08593A  
76-04045A  
76-02025A  
76-07466A  
76-01558A  
76-04514A  
76-01598A  
76-05202P  
76-08795A  
76-03617C  
76-04516A  
76-08742A  
76-08743A  
76-05461C  
76-06091C  
76-01902P  
76-04223P  
76-08432A  
76-03112A  
76-04300A  
76-04354A  
76-05056A  
76-04057A  
76-04058A  
76-01307A  
76-01308A  
76-01661A  
76-05030A  
76-03872A  
76-02028A  
76-06093C  
76-06096C  
76-05032A  
76-06789P  
76-00798P  
76-06097A  
76-01566A  
76-01980C  
76-02032A  
76-06276C  
76-04195A  
76-03801C  
76-04193C  
76-08872P  
76-02036C  
76-01570A
- 76-05506P  
76-06876C  
76-05339C  
76-05812C  
76-05358C  
76-05361C  
76-01143A  
76-05813C  
76-05814C  
76-01640A  
76-03099C  
76-06911C  
76-05467C  
76-09352A
- 76-05035P  
76-00074P  
76-07519P  
76-06300C  
76-02028P  
76-07074C  
76-07138C  
76-07143C  
76-07145C  
76-07152C  
76-07097C
- PRASEODYMIUM COPPER OXIDE  
PHASE RELATIONS IN THE Pr-Cu-O-SYSTEM AT 1000 C  
PRECIPITATION  
ACIDIC/BASIC EFFECTS ON PREPARATION OF ZIRCONIA  
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CONTROLLED PRECIPITATION OF AMORPHOUS SILICA FROM  
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METHOD FOR PRODUCING CATALYST-GRADE Al<sub>2</sub>O<sub>3</sub> FROM  
METHOD FOR THE DISSOLUTION AND PURIFICATION OF  
METHOD OF MANUFACTURING A SUPERCAPACITOR ELECTRODE  
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MORPHOLOGICAL CONTROL OF PRECIPITATED CALCIUM  
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PRECIPITATION OF BETA-PbF<sub>2</sub> MICROCRYSTALS IN AM  
PRECIPITATION OF FINELY DIVIDED Al<sub>2</sub>O<sub>3</sub> POWDERS BY A  
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PREPARATION OF ANATASE TITANIUM DIOXIDE  
PREPARATION OF BETA-ALUMINA POWDER FROM KAOLIN-DERIVED  
PREPARATION OF NANOSIZED TITANIA POWDER VIA THE  
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PREPARATION OF UNIFORM ZINC OXIDE COLLOIDS BY  
PREPARING PIGMENT BY PRECIPITATION  
PRODUCING INDIUM OXIDE-TIN OXIDE POWDERS  
SILICAS  
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SPECTROSCOPIC COMPARISON OF YBCO SUPERCONDUCTORS  
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SYNTHESIS AND CHARACTERISATION OF CaO-STABILISED ZrO<sub>2</sub>  
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SYNTHESIS OF METASTABLE TETRAGONAL (t)  
SYNTHESIS OF Mn-Zn FERRITE BY ALCOHOLIC DEHYDRATION  
SYNTHESIS OF YTTIUM IRON GARNET POWDER BY HOMOGENEOUS  
SYNTHESIS OF YTTRIUM IRON GARNET PRECURSOR PARTICLES  
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TREATMENT PROCESS FOR TITANIUM DIOXIDE PIGMENTS, NOVEL  
ZIRCONIUM-CERIUM MIXED OXIDE CATALYST/CATALYST SUPPORT
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29Si MAS NMR INVESTIGATION OF THE PYROLYSIS PROCESS OF  
29Si NMR STUDY ON CO-HYDROLYSIS PROCESSES IN  
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ALUMINA POWDERS FROM ALUMINIUM NITRATE-UREA AND  
ALUMINIUM POWDER-PRECEMIC POLYMER MIXTURES FOR THE  
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(Bi,Pb)SrCaCuO PRECURSOR MATERIAL FOR THE OXIDE POWDER  
BPS/CO-Ag POWDERS BY A WET METHOD AND A LOW-CARBON  
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CERAMIC FIBRES FOR FUNCTIONAL COMPOSITE MATERIALS  
CERAMIC POROUS MATERIAL AND METHOD OF MAKING SAME  
CERAMIC POWDER ENGINEERING FROM HOMOGENEOUS SYSTEMS AS  
CERAMIC POWDER SYNTHESIS: HOMOGENEOUS PRECIPITATION BY  
CERAMIC-MATRIX COMPOSITES BY A PRECEMIC POLYMER  
CHARACTERISATION OF CHEMICALLY MODIFIED POLYMERIC  
CHARACTERISATION OF MONO- AND DIPHASIC MULLITE  
CHARACTERISTICS OF A CO<sub>2</sub>-TiO<sub>2</sub> FIBRE WITH  
CHEMICAL VAPOUR DEPOSITION OF SILICON CARBIDE BY  
COBALT CERAMIC PIGMENTS FROM STOICHIOMETRIC ZEOLITIC  
COLLOIDAL PROCESSING OF A MULLITE MATRIX MATERIAL  
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CONVERSION PROCESS OF CHLORINE CONTAINING POLYSILANES  
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CRYSTALLISATION OF YTTRIA LITHIUM HYDROTHERMALLY  
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EFFECT OF PRECURSOR HISTORY ON SYNTHESIS OF HIGH-T<sub>c</sub>  
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EFFECT OF RELATIVE HUMIDITY ON MORPHOLOGY AND  
EFFECT OF SOLVENT ON FORMATION CHARACTERISTICS OF  
EFFECT OF THE MICROSTRUCTURE, PHASE AND CHEMICAL  
ELECTRODEPOSITION PROCESS FOR FORMING SUPERCONDUCTING  
FABRICATION OF SiC MATRIX COMPOSITES USING A LIQUID  
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GEL FORMATION IN MULLITE PRECURSORS OBTAINED VIA  
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HIGH-TEMPERATURE HYDROLYSIS OF ALKOXIDES TO  
HYBRID PROCESSING OF SILICON-BASED POLYMERS TO  
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INFLUENCE OF PYROLYSIS BEHAVIOUR OF  
INFLUENCE OF PRECURSOR CHEMISTRY ON THE MICROSTRUCTURE  
INFLUENCE OF PRECURSORS AND SYNTHETIC CONDITIONS ON  
INFLUENCE OF PROCESSING ON THE MICROSTRUCTURE  
INORGANIC ALUMINIUM PRECURSORS IN THE SYNTHESIS OF  
INTEGRATED CIRCUIT CAPACITORS AND PROCESS FOR MAKING  
ION IRRADIATION OF PRECEMIC POLYMER THIN FILMS  
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LIGHTWEIGHT CERAMIC COMPOSITION OF CARBON, SILICON  
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LOW PRESSURE CHEMICAL VAPOUR DEPOSITION OF SILICON  
LOW-TEMPERATURE SYNTHESIS OF BiFe<sub>2</sub>O<sub>3</sub> CERAMICS  
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MECHANICAL PROPERTIES OF ORMOSILS  
MECHANISMS OF Al AND TITANIA HYDROGEL COMPLEX  
METALORGANIC CHEMICAL VAPOUR DEPOSITION OF  
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METHOD FOR MAKING RARE-EARTH METAL OXIDE CERAMIC  
METHOD FOR PASSIVATING INNER SURFACES OF CHEMICAL  
METHOD OF MONITORING THE FABRICATION OF Bi-2223  
METHODS FOR FABRICATING SHAPES BY USE OF  
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MICROSTRUCTURE DEVELOPMENT OF MULLITE-ALUMINA  
MODEL SiC-BASED FIBRE WITH A LOW OXYGEN CONTENT  
MODELLING OF REACTIVE SPRAY DRYING OF PRECURSORS FOR  
MORPHOLOGICAL STUDY OF ALUMINA POWDER DERIVED FROM  
NOVEL CARBOXY FUNCTIONALIZED SOL-GEL PRECURSORS
- 76-04345A  
76-01903A  
76-03927A  
76-06392A  
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76-08915A  
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76-03644P  
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76-06461C  
76-08383A  
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76-08476C



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- 76-00564C  
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76-08324A  
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76-04214P  
76-03136P  
76-02684P  
76-06679P  
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76-00614A  
76-05876A  
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76-02162P  
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76-02949A  
76-01130P

TAIWAN PLANT BOOSTS MOVE TO INTERLOCKING TILES  
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EFFECT OF ATMOSPHERE ON PYROLYSIS OF NICALON  
ELECTRON PARAMAGNETIC RESONANCE INVESTIGATION OF  
ELECTRO-SPRAY SYNTHESIS OF TITANIUM OXIDE  
FLAME PYROLYSIS - A PREPARATION ROUTE FOR ULTRAFINE  
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FORMATION OF NANODISPERSE Si-C-N-COMPOSITE POWDERS  
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HYDRIDOSILOXANES AS PRECURSORS TO CERAMIC PRODUCTS  
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METHOD FOR PRODUCING A MICROPOROUS CELLULAR FOAM  
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POLYMER PRECURSOR FOR SILICON CARBIDE/ALUMINIUM  
POLYMER PRECURSORS FOR ALUMINIUM NITRIDE  
POROSITY DEVELOPMENT IN CERAMIC INJECTION MOULDINGS  
PREPARATION OF AM FROM POLY(ETHYLENEIMINO)ALANES  
PREPARATION OF HIGH DENSITY BORON CARBIDE CERAMICS  
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PROCESS FOR PRODUCING SANDWICH STRUCTURES FROM  
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PYROLYTIC BEHAVIOUR OF Si-O FIBRE IN ALUMINA MATRIX  
PYROLYTIC BEHAVIOUR OF Si-Ti-C-O FIBRE IN ALUMINA  
PYROLYTIC CONVERSION OF POLY(METHYLSILOXANE) TO  
Si-O-C GLASSES FROM GELS

76-07281A  
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76-05230A  
76-06100B

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76-06136A  
76-05852A

76-07356P  
76-07496P  
76-05797P  
76-07841P

76-07422C  
76-08824C  
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76-09363A  
76-07194C  
76-09014P  
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76-07899A  
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76-06736P  
76-06742P  
76-08944C  
76-02210A  
76-01991A  
76-04487A  
76-06262C  
76-02664C



- STRUCTURE EVOLUTION IN THE PbO-ZrO<sub>2</sub>-TiO<sub>2</sub> SOL-GEL STUDIES OF THE PYROLYSIS BEHAVIOUR OF SILICA SOL SYNTHESIS AND PYROLYSIS OF POLYBORSILAZANE WITH LOW SYNTHESIS OF AN INORGANIC/ORGANIC NETWORK POLYMER BY SYNTHESIS OF METASTABLE TETRAAGONAL (T) SYNTHESIS OF MICROPOROUS CERAMICS
- SYNTHESIS OF OXYNITRIDE POWDERS VIA FLUIDISED-BED TITANIUM NITRIDE/CARBON COATINGS ON GRAPHITE FIBRES ULTRAFINE YTTRIA-STABILISED ZIRCONIA POWDERS PREPARED
- PYROPHYLITE**  
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- QC**  
DEPOSITION OF THIN FILM ELECTROCEAMIC MATERIALS USING THERMAL DECOMPOSITION OF V[NE]24 IN AN MOCVD REACTOR:
- QL**  
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- QQ**  
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- ACTIONS TO BE TAKEN IN ORDER TO DEVELOP A QUALITY BRICK PRODUCTION SECTOR: CERTIFICATION METHODS CERTIFICATION PROCEDURE OF BRICK PRODUCTION COMPANIES CONTROL AND CERTIFICATION OF BRICKS AND ROOFING TILES DIN EN ISO 9001 IN DESIGN DEVELOPMENT HANDS-ON GUIDE FOR CONTROLLING QUALITY OF RAW INTEGRATED MANAGEMENT SYSTEM (QUALITY, SAFETY, THE MODERN EVOLUTION IN QUALITY MANAGEMENT AND QUALITY ASSURANCE AND QUALITY CONTROL DURING THE SIX YEARS OF EXPERIENCE WITH DIN EN ISO 9001 IN
- QUALITY CONTROL**  
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- QUANTUM WELL**  
EFFECT OF p AND n DOPING ON NEUTRAL IMPURITY AND SiO<sub>2</sub>
- QUANTUM WELLS**  
BAND STRUCTURE PARAMETERS FOR QUANTUM WELLS: CHARACTERISTICS OF InGaN MULTIQUANTUM WELL STRUCTURE CORRECTIONS TO THE CALCULATION OF BULK ELECTRON FABRICATION AND OPTICAL PROPERTIES OF ZnCdSe/ZnSe HIGH-PERFORMANCE GaInP/GaInP STRAINED QUANTUM WELL MAGNETIC RESONANCE STUDIES OF GaN-BASED SINGLE QUANTUM MBE GROWTH AND OPTICAL CHARACTERISATION OF InGaN/AlGaN MBE GROWTH OF Si-IV NITRIDE FILMS AND QUANTUM WELL METALORGANIC VAPOUR PHASE EPITAXIAL GROWTH OF METHOD OF MAKING A CMOS DYNAMIC RANDOM-ACCESS MEMORY PHOTOLUMINESCENCE (PL) CHARACTERISTICS OF RECOMBINATION OF LOCALISED EXCITONS IN InGaN SINGLE-STIMULATED EMISSION FROM SINGLE AND STRUCTURAL AND OPTICAL PROPERTIES OF AlGaN/GaN QUANTUM STRUCTURAL AND OPTICAL PROPERTIES OF NITRIDE BASED TAILORED CARRIER ESCAPE RATES IN GaAs/Al<sub>0.3</sub>Ga<sub>0.7</sub>As TYPE-II QUANTUM WELL AND QUANTUM CASCADE
- QUARRYING**  
CENTRAL PIVOT-STEERED EARTHMOVING MACHINES IN CLAY LUBRICATION OF QUARRYING MACHINES
- QUARTZ**  
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- QUATUM WELLS**  
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- QUENCHING**  
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- R-CURVE**  
INFLUENCE OF R-CURVE BEHAVIOUR ON STRENGTH DEGRADATION
- R-CURVE BEHAVIOUR**  
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- RADIATION**  
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- RADIATION CURING**  
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- RARE**  
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- RARE EARTH COMPOUNDS**  
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- 76-00983A  
76-08420A  
76-01552A  
76-06525C  
76-04180A  
76-02182P  
76-09133P  
76-04043A  
76-09205A  
76-01661A  
76-04089A  
76-06024A  
76-03784A  
76-01923A  
76-06537A  
76-05234A  
76-06527A  
76-00316C  
76-02322A  
76-00321C  
76-00323C  
76-09303A  
76-02350A  
76-04899A  
76-02363C  
76-06301A  
76-06809A  
76-02971A  
76-06898A  
76-03830A  
76-03184A  
76-02350A  
76-05182A  
76-05935C  
76-07217B  
76-05283C  
76-00623C  
76-03860C  
76-05190A  
76-06901A  
76-00356A  
76-06902A  
76-09329A  
76-05938A  
76-04924A  
76-03864C  
76-02387A  
76-05947A  
76-03179A  
76-03151C  
76-07543C  
76-03184A  
76-03194A  
76-03208A  
76-07625C  
76-07630C  
76-07631C  
76-07634C  
76-07802P  
76-03269A  
76-07683C  
76-07692A  
76-07699C  
76-07701C  
76-03290A  
76-03298C  
76-01165A  
76-05867A  
76-04972A  
76-01669P  
76-04203P  
76-01836P  
76-05126A  
76-00767P  
76-00224P  
76-06400C  
76-08375A  
76-02586P  
76-05140A  
76-06134A  
76-05272C  
76-05700P  
76-08524A  
76-05735P  
76-03811P  
76-09034P  
76-07259P  
76-01044P  
76-06859P  
76-07992P  
76-02137P  
76-01008P  
76-03819P  
76-01710P  
76-06721P  
76-06741P  
76-07263P  
76-01276A  
76-02637P  
76-02181P  
76-03353P  
76-07658C  
76-04356A  
76-08485A  
76-01325P  
76-07661C  
76-09114P  
76-04287A  
76-07246A  
76-02279A
- 76-08450A  
76-08462C  
76-04772A  
76-09231A  
76-09232A  
76-04785C  
76-08521C  
76-03853A  
76-09262A  
76-04823A  
76-04832P  
76-09263A  
76-09297A  
76-04832A  
76-03873P  
76-06352P  
76-03312P  
76-07184P  
76-07746P  
76-05140A  
76-06362P  
76-03250A  
76-07185P  
76-03574C  
76-01807P  
76-04832P  
76-07148C  
76-02637P  
76-04314P  
76-04660P  
76-03354P  
76-08057A  
76-03657C  
76-07062A  
76-00275P  
76-01066A  
76-03760A  
76-01778A  
76-05941A  
76-05075A  
76-08527A  
76-02759C  
76-07546C  
76-03237A  
76-07627C  
76-03259A  
76-07678C  
76-03599A  
76-07091A  
76-04347A  
76-07710C  
76-05819A  
76-08161A  
76-05882A  
76-01278A  
76-03781C  
76-01043P  
76-01096P  
76-07886C  
76-01114P  
76-07490C  
76-08929A  
76-05434A  
76-01850A  
76-01291A  
76-01332P  
76-01133P  
76-06348P  
76-07477P  
76-06924P  
76-05482P  
76-06136A  
76-09041P  
76-08695A  
76-07515P  
76-09088P  
76-09089P  
76-02313P  
76-06701P  
76-00662P  
76-09147P  
76-00807C  
76-08075P  
76-01033P  
76-06562P  
76-01320P  
76-03364A  
76-08988P  
76-07061C  
76-06927P  
76-07121C  
76-09001P  
76-07127C  
76-08626P  
76-03224A  
76-01189P  
76-01036P  
76-03636P  
76-06853P  
76-08087P  
76-01189P  
76-07210C  
76-02139P  
76-00860P  
76-03599A  
76-05719P  
76-07082C  
76-06287P

RARE-EARTH SUBSTITUTED THALLIUM-BASED SUPERCONDUCTORS  
RARE-EARTH-DOPED MULTICOMPONENT Ge-BASED SULPHIDE  
RHONE-POULENC RARE EARTHS PROPERTIES  
R-Ti-Si-Cu-O SUPERCONDUCTORS AND PROCESSES FOR  
SINGLE CRYSTALLINE BULK OXIDE SUPERCONDUCTOR AND  
SUPERCONDUCTING COMPOSITIONS  
VOLTAGE-DEPENDENT NONLINEAR RESISTOR  
WAVELENGTH-UP-CONVERSION OF LASER GLASS-CERAMICS  
YTTRIUM OR RARE-EARTH SUBSTITUTED METAL OXIDE

## RAW

DRY PREPARATION IN THE BRICK AND TILE INDUSTRY  
INDONESIA 'WHERE ANYTHING CAN BE ARRANGED'  
VIETNAM - TIGER TO BE?

## RAW MATERIALS

ADAPTING RAW MATERIALS TO USE NEW CERAMIC PROCESSES  
AGGREGATE BODY  
ALSEN-BREITENBURG'S NEW 40000 T FLYASH STORAGE DOME  
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ASPECTS FOR IMPROVEMENT IN THE CHARACTERISTICS AND  
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"CALCIUM CARBONATE" IN BODIES FOR EXTRUDED MATERIAL  
CaO DISTRIBUTION TO MINERAL PHASES IN HIGH CALCIUM  
CATHODOLUMINESCENCE (CL) PROPERTIES OF REFRACTORY RAW  
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CERAMIC MIXTURE FOR CASTING MOULDS FOR ALLOYS OF  
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CHARACTERISATION AND QUALITY CONTROL OF CLAY RAW  
CHARACTERISATION AND UTILISATION OF WOOD ASH IN THE  
CHARACTERISATION OF KARAHAMZA BENTONITES IN TURKEY  
CHARACTERISATION OF RAW MATERIALS FOR BRICKS FROM  
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CLAY AND CHAMOTTE FROM THE NAAB VALLEY  
CLAY BRICKS WITH RICE HUSK AND PALM OIL ASHES  
CLAYS IN THE UKRAINE  
COMBINED STUDY OF BELARUS KAOLINS AS RAW MATERIAL FOR  
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COMPOSITE ULTRAFINE PARTICLES OF NITRIDES, METHOD FOR  
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CONTINUOUS CONICAL MILL IN THE GRINDING OF CERAMIC RAW  
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DEVELOPMENT AND APPLICATION OF LIGHTWEIGHT INSULATING  
DEVELOPMENT OF CaO-CONTAINING BASICITY CASTING  
DEVELOPMENT OF MAGNESIA-SPINEL-CARBON BRICK FOR LADLES  
DEVELOPMENT OF MgO-C PERMEABLE COMPONENT FOR N<sub>2</sub>/CO<sub>2</sub>  
DEVELOPMENT OF REFINED BALL CLAY  
DEVELOPMENT OF STRUCTURE IN BARRA ALUMINA CERAMICS  
DEVELOPMENT OF ZIRCONIUM AGGREGATES FROM BEACH SAND  
DIFFUSION BEHAVIOUR OF Cr<sub>2</sub>O<sub>3</sub> IN SINTERED MAGNESIA WITH  
DIPHSIDE PORCELAIN  
DIOPHASE: RAW MATERIAL FOR PORCELAIN PRODUCTION  
DISTRIBUTION OF CaO IN FUSED MAGNESIA RAW MATERIALS  
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EFFECT OF MgO CLUNKER ON THERMAL CHARACTERISTICS OF  
EFFECT OF MgO COMPONENT ON THE QUALITY OF THE  
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INFLUENCE OF RAW MATERIALS ON THE THERMAL EXPANSION  
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MINERAL COMPOSITION AND MICROSTRUCTURE OF CLUNKER FROM  
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MINERALS FOR CERAMIC TILES  
MODERN MIXING AND GRANULATING PROCESSES FOR THE  
MULLITE FROM THE THERMAL REACTION OF NATURAL  
NEW DEVELOPMENTS OF CLAY COMPONENTS FOR HIGH PRESSURE

76-08102P  
76-07156C  
76-08037A  
76-03647P  
76-03648P  
76-01129P  
76-05519P  
76-03737P  
76-05811P

76-01195A  
76-01484A  
76-01564A

76-08122A  
76-07355P  
76-04870A  
76-03905P  
76-00394C  
76-00565A  
76-05666B  
76-00568C  
76-05967B  
76-05968A  
76-05241A  
76-05969B  
76-03921A  
76-05970A  
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76-05973A  
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76-01444A  
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76-05246A  
76-02831A  
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76-05247A  
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76-08472C  
76-01456C  
76-05249A  
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76-02622C  
76-02854A  
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76-01457C  
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76-05848A  
76-02622C  
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76-06003C  
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76-06024A  
76-03975A  
76-02890A  
76-01491A  
76-06024A  
76-01494C  
76-06026B  
76-06027B  
76-01497A  
76-02119B  
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76-08382A  
76-03962A  
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76-08440P  
76-01332P  
76-01426P  
76-02109P  
76-05790P  
76-01502C  
76-00483C  
76-03991A  
76-04911B  
76-04912B  
76-07383A  
76-01247C  
76-08385A  
76-00616C

NEW GENERATION CASTABLES FOR THE HYDROCARBON  
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RAW MATERIALS FOR PRODUCING COLOR CERAMIC PRODUCTS  
RAW MATERIALS FOR THE ITALIAN STONEWARE TILE INDUSTRY  
RAW MATERIALS INFLUENCE THE ALPHA-PARTICLE EMISSION  
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76-00490C  
76-05184A  
76-06035A  
76-06036B  
76-08389A  
76-06041A  
76-01510A  
76-01528C  
76-00617C  
76-02447A  
76-06042A  
76-05278A  
76-07321A  
76-05012A  
76-02659A  
76-00059A  
76-08441P  
76-07311P  
76-08024P  
76-01276A  
76-08407A  
76-08408A  
76-07325A  
76-04062P  
76-06059A  
76-00506C  
76-06060A  
76-02451C  
76-01528C  
76-00624A  
76-00625A  
76-06062A  
76-08413A  
76-01528C  
76-02376A  
76-04016  
76-04017A  
76-05160A  
76-01528C  
76-04018A  
76-01778A  
76-02377A  
76-01525C  
76-01525C  
76-06052B  
76-04019A  
76-04925B  
76-01280A  
76-07333A  
76-02377A  
76-06069B  
76-06965A  
76-01532C  
76-08414A  
76-04657P  
76-01535C  
76-08415A  
76-04670P  
76-08416A  
76-01517P  
76-01542C  
76-02462A  
76-04028A  
76-04046A  
76-04047A  
76-04048A  
76-07349A  
76-01382A  
76-00539A  
76-01526A  
76-08139P  
76-04938B  
76-06092A  
76-06228A  
76-06093A  
76-05192A  
76-06050A  
76-01563A  
76-06029A  
76-06093A  
76-06099A  
76-06100B  
76-01568C  
76-06101A

## 76-0315P

## 76-02705A

## 76-08179A

## 76-08527A

## 76-06142C

## 76-04140C

## 76-04273A

## 76-04475C

## 76-09100P

## 76-01987A

## 76-08715C

## 76-00554P

## 76-01993C

## 76-01994C

## 76-08946A

## 76-02034C

## 76-08446A

## 76-04230A

## 76-08347A

## 76-08148A

## 76-04078A

## 76-01016A

## 76-05275A

## 76-00444A

## 76-07303A

## 76-08908A

## 76-07441C

## 76-04262A

## 76-07931A

## 76-01764A

## 76-09202A

## 76-07085C

## 76-08053A

## 76-00513C

## 76-01081A

## 76-05855A

## 76-08969A

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76-01916A  
76-01935A  
76-01939C  
76-08371A  
76-03474A  
76-06545P  
76-09250A  
76-08700A  
76-01976A  
76-02513C  
76-04289A  
76-04489A  
76-01995A  
76-08945A  
76-01553A  
76-02028C  
76-02034C

76-08873A  
76-04520P  
76-06942A  
76-03918A  
76-02799C  
76-02811A  
76-06945A  
76-06382A  
76-03999C  
76-08263C  
76-08649A  
76-06569P  
76-08350A  
76-08883C  
76-02061P  
76-08986P  
76-03167A  
76-08819C  
76-04042C  
76-02424C  
76-04557P  
76-08315A  
76-05257A  
76-00444A  
76-06960C  
76-07303A  
76-04989A  
76-06439C  
76-00463C  
76-00901C  
76-09030P  
76-05917P  
76-03640P  
76-04599P  
76-04623P  
76-05470C  
76-04633P  
76-06702P  
76-07085C  
76-05281A  
76-02143P  
76-06962A  
76-00059A  
76-05282A  
76-04281A  
76-04285A  
76-07048P  
76-06732P  
76-09107P  
76-02155P  
76-06737P  
76-06738P  
76-06743P  
76-04856P  
76-06804C  
76-02925A  
76-08411A  
76-04348A  
76-07327A  
76-08789P  
76-09129P  
76-04719A  
76-07242C  
76-06969A  
76-09139P  
76-06424C  
76-06793P

76-00981P  
76-07150C  
76-07053C  
76-08357P  
76-06417C  
76-03026P  
76-07357P  
76-04732A  
76-09155C  
76-01430P  
76-02766A  
76-01076A  
76-08720P  
76-02159P  
76-08823P  
76-02766A  
76-04682P  
76-02001A  
76-04170A  
76-09981P  
76-07150C  
76-07053C  
76-08357P  
76-06417C  
76-03026P  
76-07357P  
76-07081C  
76-07682C  
76-00376A  
76-00377C  
76-07355P  
76-00378C  
76-00379C  
76-04064A  
76-02798A  
76-05303P  
76-05234A  
76-02799A  
76-02800A  
76-00380C  
76-02801A  
76-02802A  
76-05235A  
76-05236A  
76-00381A  
76-00382C  
76-02803A  
76-00383A  
76-02804C  
76-06318A  
76-05237A  
76-02805A  
76-05238A  
76-02806A  
76-02807A  
76-02808A  
76-02809A  
76-00385A  
76-00386C  
76-05239A  
76-05303P  
76-02808A  
76-00388C  
76-00389C  
76-02809C  
76-00390C  
76-00391C  
76-00392A  
76-02810A  
76-00393C  
76-00394C  
76-00395C  
76-02825B  
76-05240A  
76-05241A  
76-01438C  
76-02811A  
76-05242A

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LAYER THICKNESS TO REDUCE THE THERMAL STRESS GENERATED  
LIFE PROLONGATION OF REFRACTORY FOR KR IMPELLER  
LIGHTWEIGHT SPRAYABLE TUNDISH LINING COMPOSITION  
LIME ACTIVATED FINE POWDER PREPARATION AND PROCESSING  
LONG-LIFE NOZZLE  
LOW CEMENT SELF-FLOWING REFRACTORY CASTABLE  
LOW MOISTURE REGULAR CORUNDUM-SPINEL CASTABLES WITH  
LOW-FLUX MAGNESIA-CHROME BRICK FOR TUYERES IN AOD  
LOW-TEMPERATURE NONCRYSTALLIZING SEALING GLASS  
MACHINING REFRACTORY CERAMICS WITH ABRASIVE WATER JETS  
MAGNESIA CONTAINING BASIC CASTABLES  
MAGNESIA CONTAINING CLINKERS WITH IMPROVED HYDRATION  
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MANUFACTURE OF FIREBRICKS  
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MECHANISATION OF BOF RELINING WORK IN NAGAYA WORKS  
MECHANISATION OF REFRACTORY LINING INSTALLATION AND  
MECHANISM OF ADDITIVES IN BLOCKING PORES WHIST  
MECHANISM OF LOCAL CORROSION OF MAGNESIA-CHROME BRICKS  
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METERING NOZZLE FOR A TUNDISH  
METHOD FOR FORMING REFRACTORY METAL NITRIDE FILM  
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MgO RAW MATERIAL IMPROVED THE HYDRATION RESISTANCE  
MgO RAW MATERIAL WITH IMPROVED HYDRATION RESISTANCE  
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MOLDS AND A METHOD FOR THE CASTING OF METALS AND  
MULLITE PHASE IN REFRACATORIES, A SIMPLE METHOD FOR ITS  
MULLITE-CORUNDUM REFRACATORIES WITH HIGH CREEP  
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PHOSPHATE BONDED CASTABLE  
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PREDICTION OF PHASE TRANSFORMATIONS IN
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76-00475C  
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76-00232P  
76-05870A  
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76-07317A  
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76-01430P  
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76-05282A
- PREPARATION AND CHARACTERISATION OF CERAMIC POROUS  
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REFRACTORY MATERIALS  
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SLAG CORROSION AND COATING RESISTANCE OF MAGNESIA LIME  
SLAG OF THE PRODUCTION OF ALUMINIUM ALLOYS FROM  
SLAG PENETRATION RESISTANCE OF MgO-TiO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub> BRICK  
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- 76-02922A  
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76-06899A  
76-00505C  
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76-07348A  
76-04030C

- SUGGESTIONS ON RESOURCE-SAVING REFRACTORY TECHNOLOGIES  
SUPER DENSE DIRECT BONDED MAGNESIA-CHROME BRICK FOR  
Ta/NiFe/Ta ANISOTROPIC MAGNETIC SENSOR ELEMENT  
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THERMOMECHANICAL PROPERTIES OF  
THERMOMECHANICAL STRESSES IN BOF LININGS  
THICKNESS RATIO OF SPINEL FORMATION AND EXPANSION OF  
TRADITIONAL CERAMICS IN AUSTRALIA  
ULTRADENSE ARTICLES FOR THE COKE AND BY-PRODUCT  
ULTRASONIC DETERMINATION OF THE RESIDUAL WASTE IN  
ULTRASONIC FOR INSPECTING GLASS FURNACE REFRACTORIES  
UNBURNED MAGNESIA-DOLomite-CARBON BRICK FOR THE  
UNBURNED SPINEL CHECKER BRICK FOR GLASS FURNACE  
UNSHAPED BASIC REFRACTORIES FOR STEEL MELTING ELECTRIC  
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WEAR MECHANISM OF ALUMINA-SPINEL BRICKS IN ROTARY  
WEAR PATTERN OF MAGNESIA-SPINEL BRICKS IN ROTARY  
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- REFRACTORINESS**  
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- REFRACTORY**  
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76-06479C  
76-01999A  
76-07968A  
76-09266C  
76-02302A  
76-04827A  
76-01652A

76-00071P  
76-04405P  
76-02583P  
76-05197P  
76-09024P  
76-09049P  
76-04606P  
76-09075P  
76-01963P  
76-01637A  
76-02453A  
76-04690P

76-03544A  
76-05548P  
76-05403C  
76-03261C  
76-03576A

76-05470P  
76-00752P  
76-07473P  
76-01863A  
76-03052A  
76-03463A  
76-03127P  
76-03313P  
76-03326P  
76-07502P  
76-05512P  
76-02188P  
76-04679P  
76-06790P  
76-05519P  
76-05635P

76-07825C  
76-03462P  
76-07689C

76-07469P  
76-00751P  
76-00763P  
76-05484P  
76-00686C  
76-06607P  
76-07447P  
76-05780P  
76-00704C  
76-00162P  
76-05703P  
76-00751P  
76-01007P  
76-01710P  
76-08877C  
76-00985A  
76-04684P

76-06947A  
76-02404C  
76-02769A  
76-00358A  
76-05230A

76-03667C  
76-00001A  
76-03914A  
76-08253C  
76-04376P  
76-02804C  
76-04408C  
76-04226C  
76-07290A  
76-04065P  
76-04067A  
76-00082A  
76-01349A  
76-04860P  
76-04073A  
76-03675A  
76-05974C  
76-05975C  
76-09210A  
76-03036C  
76-01169A  
76-06216A  
76-09288A  
76-00085C  
76-04875A  
76-06392C  
76-00090A  
76-02826C  
76-08141A  
76-05826A  
76-03691P  
76-07892C  
76-05369A  
76-04883P  
76-01207A  
76-06837A  
76-05842A  
76-09285A  
76-08315A  
76-08772C  
76-08161A  
76-04448A  
76-06326A  
76-03709C  
76-03710A  
76-01216C  
76-03060A  
76-02430A  
76-02992C  
76-03965C  
76-08974A  
76-08776A  
76-02889C

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THERMAL SPRAY OF CERAMIC MATERIALS  
THERMODYNAMIC ASSESSMENT OF THE  
THERMODYNAMIC MODELLING AND CALCULATION OF PHASE  
THERMODYNAMIC STABILITY OF BINARY OXIDES IN CONTACT  
THIN FILM GROWTH BY PULSED LASER DEPOSITION  
TRANSPARENT CONDUCTIVE CERAMIC THIN FILMS -  
ULTRASONIC CHARACTERISATION OF SURFACES AND  
ULTRASONIC MACHINING OF CERAMICS  
ULTRASOUND IN MATERIALS CHEMISTRY  
UNSHAPED BASIC REFRACTORIES FOR STEEL MELTING ELECTRIC  
USE OF WHISKERS AND SIMILAR REINFORCEMENTS IN METAL  
WOLLASTONITE RAW MATERIALS AND THEIR APPLICATIONS (A  
YOU'RE AMAZING...

76-04699A  
76-06025A  
76-04904A  
76-08177A  
76-00108C  
76-07445A  
76-01022A  
76-01023A  
76-01629A  
76-05670A  
76-03733A  
76-08540A  
76-07942A  
76-04914A  
76-09181A  
76-01268C  
76-00717A  
76-04915A  
76-01372C  
76-03858C  
76-02914A  
76-04278A  
76-03742A  
76-00954A  
76-00128A  
76-01268C  
76-03733A  
76-02374A  
76-04923C  
76-06061A  
76-09371A  
76-01268C  
76-09331A  
76-07328A  
76-00514A  
76-04019A  
76-01268C  
76-05842A  
76-02770C  
76-03765A  
76-05073A  
76-01268C  
76-08723A  
76-04293C  
76-06862A  
76-03773A  
76-01268C  
76-03777C  
76-03780C  
76-03099C  
76-01293A  
76-01268C  
76-03105C  
76-08857A  
76-09346A  
76-03792A  
76-01268C  
76-01305C  
76-08857A  
76-08858A  
76-08604A  
76-01268C  
76-03113A  
76-03870A  
76-03794C  
76-08227A  
76-02296C  
76-02524A  
76-06101A  
76-06277A

## RGT

PREPARATION AND ELECTRICAL PROPERTIES OF  $\text{SrTiO}_3$  THIN

76-05435A

## RHEOLOGICAL

DISPERSION AND CASTING OF SIC AQUEOUS SLIPS  
EFFECT OF AGEING TIME ON PRESSURE SLIP CASTING OF  
GRANULAR MODELLING FOR COMPUTER AIDED DESIGN OF  
INFLUENCE OF POWDER CHARACTERISTICS ON THE RHEOLOGICAL  
POWDER BEHAVIOUR DURING DIE COMPACTION OF ALUMINA

76-01927C  
76-01930C  
76-01218C  
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76-01979C

## RHEOLOGICAL PROPERTIES

ADDITIVES USED IN THE PRESSING OF TABLEWARE  
ADVANCES IN SPRAY-DRIED POWDER PROCESSING FOR TILE  
AIZO3-ZrSiO4 SUSPENSIONS FOR SLIP CASTING STABILISED  
ALUMINA-THICKENED LATEX FORMULATIONS  
APPLICATIONS OF A NEW RHEOLOGICAL MODEL TO THE  
APPLICATIONS OF RHEOLOGY IN MORTAR PRODUCTION  
AQUEOUS TAPE CASTING OF ALUMINIUM NITRIDE CERAMICS  
BEHAVIOUR OF AN OXIDE SLURRY DURING ITS ATTRITION  
CERAMIC HONEYCOMBS COATED WITH ZEOLITE ZSM-5 FOR NOx  
CHARACTERISATION AND MODELLING OF THIXOTROPIC SYSTEMS  
CHARACTERISATION OF ALUMINA PASTES FOR PLASTIC  
CHARACTERISATION OF GLASS IONOMERS FOR SURGICAL  
CHARACTERISATION OF PLASTICITY  
CHARACTERISATION OF WATER BASED TAPE CASTING SLURRIES  
CITRIC ACID - A DISPERSANT FOR AQUEOUS ALUMINA  
COLLOIDAL PROCESSING AND FRACTURE STRENGTH OF ALUMINA  
COLLOIDAL PROCESSING OF A VERY FINE BaTiO3 POWDER -  
CONCENTRATED KAOLINITE SUSPENSIONS - POLYMER  
CONSOLIDATION OF COAGULATED SLURRIES: CORRELATION  
CONTROLLING PRODUCT QUALITY THROUGH RHEOLOGICAL  
DEVELOPMENT OF SELF-HARDENING SLIP CASTING  
DEVELOPMENT OF SELF-HARDENING SLIP CASTING  
DISPERSION OF THREE CERAMIC POWDERS IN A SLURRY. THE  
EFFECT OF AGEING TIME ON PRESSURE SLIP CASTING OF  
EFFECT OF FELSITE AS A FLUX ON THE RHEOLOGY OF SLIP IN  
EFFECT OF ILMENITE PLANT DUSTS ON RHEOLOGY  
EFFECT OF PARTICLE INTERACTIONS ON THE COLLOIDAL  
EFFECT OF POWDER CONDITIONING ON RHEOLOGICAL BEHAVIOUR  
EFFECTS OF PARTICLE SIZE, DENSITY AND SURFACE  
ELECTROACOUSTIC AND RHEOLOGICAL PROPERTIES OF AQUEOUS  
ENGINEERING OF PARTICLE INTERACTIONS IN WET PROCESSING  
EVALUATION OF PARTICLES-AGGREGATED STRUCTURES AND  
EXPERIMENTAL EVALUATION OF A NEW  
FABRICATION OF 3Y-TZP/SUS FUNCTIONALLY GRADIENT  
FLOW OF PASTES IN BENT TUBES  
GLASS-CERAMIC SEALANTS FOR SOLID OXIDE FUEL CELLS.  
GLAZE PROBLEMS FROM A GLASS SCIENCE PERSPECTIVE  
HYDROLYSIS-ASSISTED SOLIDIFICATION (HAS): A NEW  
IMPROVED AQUEOUS DISPERSION OF SILICON NITRIDE WITH  
IMPROVING THE PERFORMANCE OF CEMENT-FREE CASTABLES  
INFLUENCE OF HOMOLOGOUS SUBSTITUTIONS OF CHEMICAL  
INFLUENCE OF NON-HOMOLOGOUS SUBSTITUTIONS OF CHEMICAL  
INFLUENCE OF pH ON THE PRESSURE SLIP CASTING OF

76-01435A  
76-02974C  
76-05818C  
76-02041P  
76-01160C  
76-02407C  
76-05821C  
76-01577A  
76-09364C  
76-06294C  
76-03676A  
76-00239A  
76-04359C  
76-01170C  
76-01453A  
76-01584A  
76-08761A  
76-03931C  
76-06295C  
76-04365A  
76-03939C  
76-03690A  
76-04429A  
76-03698A  
76-00564C  
76-03939C  
76-06298C  
76-04367A  
76-01832C  
76-06299A  
76-01161C  
76-04371A  
76-01209A  
76-05845C  
76-03704A  
76-04365A  
76-02991C  
76-03712A  
76-04329A  
76-05265A  
76-02605A  
76-02606A  
76-03717A

- INFLUENCE OF POWDER CHARACTERISTICS AND ORGANIC INFLUENCE OF SLIP PREPARATION PROCEDURES ON THE INFLUENCE OF SLIP RHEOLOGY ON PRESSURE CASTING OF INFLUENCE OF SOLID TYPE AND CONTENT ON THE RHEOLOGICAL INFLUENCE OF TEMPERATURE ON STABILITY OF AQUEOUS INFLUENCE OF THE CALCINATION CONDITIONS ON THE INFLUENCE OF THE DISPERSANTS IN GELCASTING OF INFLUENCES OF PARTICLE SIZE DISTRIBUTIONS ON LOW PRESSURE INJECTION MOLDING OF SIC PLATELET MACRO-RHEOLOGICAL THEORY OF HIGH-TEMPERATURE MECHANICAL BEHAVIOUR OF  $\text{Al}_2\text{O}_3/\text{MgO}$  DOPED SILICON MECHANICS OF EXTRUSION
- MICROSTRUCTURAL CHARACTERISATION OF ALUMINA AND NEW APPROACH TO THE EFFECTIVE VISCOSITY OF SUSPENSIONS OIL-RELATED DEFLOCCULANTS FOR TAPE CASTING SLIPS OPACIFYING KAOLIN CLAY PIGMENTS HAVING IMPROVED OPTIMISATION OF DISPERSION AND VISCOSITY OF A CERAMIC OPTIMISATION OF SUSPENSION CHARACTERISTICS FOR SHAPING OPTIMISATION OF THE GELCASTING OF A SILICON NITRIDE PATTERN FORMATION IN ELECTRO-RHEOLOGICAL FLUIDS: THE PHYSICO-CHEMICAL FEATURES OF PRODUCING ANHYDRITE CEMENT PREDICTION OF EXTRUSION PRESSURE FOR A CERAMIC PRESSURE CASTING OF HIGH-LOAD ALUMINA SUSPENSIONS PRESSURE FILTRATION OF  $\text{SiO}_2$
- PROCESSING OF  $\text{Al}_2\text{O}_3/\text{SiC}$  COMPOSITES IN AQUEOUS MEDIA PROCESSING OF ALUMINA-WOLLASTONITE COMPOSITE PRODUCTION OF SILICON NITRIDE MATERIALS OF HIGH PROPERTIES OF AQUEOUS PHASE SUSPENSIONS OF BARIUM PZT-BASED SUSPENSIONS FOR TAPE CASTING RELATION BETWEEN LOCAL STRUCTURE AND FRAGILITY OF LEAD RHEOLOGICAL BEHAVIOUR OF GLAZE SUSPENSIONS, INFLUENCE RHEOLOGICAL BEHAVIOUR OF A POLYMER CERAMIC BLEND RHEOLOGICAL CHARACTERISATION OF SLIPS RHEOLOGICAL AND RHEOCHROMAL WORKABILITY OF RHEOLOGICAL PROPERTIES OF  $\text{Al}_2\text{O}_3$ -SiC WHISKER COMPOSITE RHEOLOGICAL PROPERTIES OF CONCENTRATED, NONAQUEOUS RHEOLOGICAL PROPERTY AND STRESS DEVELOPMENT DURING RHEOLOGY AND EXTRUDABILITY OF ALUMINA PASTE FOR
- RHEOLOGY IN THE TECHNOLOGY OF CERAMICS AND
- RHEOLOGY OF CONCENTRATED AQUEOUS ALUMINA SUSPENSIONS RHEOLOGY OF EXTRUDABLE ALUMINA PASTE RHEOLOGY OF FLUORIDE GLASSES RHEOLOGY OF WATER-BASED ZIRCONIA SLIPS SHEAR MODULUS AND YIELD STRESS MEASUREMENTS OF SIC PLATELET ORIENTATION IN A LIQUID-PHASE-INTERFERED SIMULATION OF GLASS PROCESSES WITH POLYFLOW, A FINITE SLIP CASTING ALUMINA WITH  $\text{Na-CMC}$  SOLID-STATE-SINTERED SILICON CARBIDE BY WATER-BASED SOME PROPERTIES OF THERMOPLASTIC MIXTURES FOR FORMING STRUCTURAL RELAXATION WITH VISCOUS FLOW FOLLOWED BY SURFACE MODIFICATION OF ALUMINA POWDER FOR LPM TAPE CASTING OF ALUMINA IN WATER WITH AN ACRYLIC LATEX TAPE CASTING OF LANTHANUM CHROMITE TAPE CASTING USING UV CURABLE BINDERS TAPE-CAST ALUMINA-ZIRCONIA LAMINATES: PROCESSING AND TIME-DEPENDENT PROPERTIES OF CERAMIC SUSPENSIONS VISCOUS FLOW OF  $\text{ZnF}_2$ - $\text{PbF}_2$ - $\text{SiO}_2$ - $\text{GeO}_2$  GLASSES AND WATER-BASED SYSTEM FOR CERAMIC INJECTION MOLDING WET FORMING, SINTERING BEHAVIOUR, AND DIELECTRIC WHICH RHEOLOGICAL PARAMETERS CONTROL THE ISOTHERMAL
- RHEOLOGY HIGH LOADING, LOW VISCOSITY MEDIUM FOR CERAMIC COATING PROPERTIES OF GYPSUM-FREE PORTLAND CEMENT PASTES WITH
- RICE HUSKS 29SI MAS NMR, XRD, AND FESEM STUDIES OF RICE HUSK CHARACTER OF REACTION KINETICS FOR PRODUCING ULTRAFINE FORMATION OF SIC FROM RICE HUSK SILICA-CARBON BLACK FORMATION OF SIC WHISKERS FROM RAW RICE HUSKS IN ARGON INEXHAUSTIBLE SUPPLY OF RICE-HUSK ASH AS A PORCELAIN PREPARATION OF SILICA FROM RICE HUSKS
- RKC THERMAL DECOMPOSITION OF  $\text{V}(\text{NEI})_2$  IN AN MOCVD REACTOR:
- RKF STABLE CRACK GROWTH IN SIC PARTICLE-DISPERSED  $\text{Al}_2\text{O}_3$
- ROAD MATERIALS COLOURING ROAD SURFACES
- ROBOTS ROBOTS ENTER BRICK PLANTS ROBOTS INCREASE QUALITY AND PRODUCTION CAPACITY SOFT MUD BRICKWORKS WITH ROBOT EQUIPMENT WARHAM: A HIGHLY ROBOTISED SOFT-MUD BRICK WORKS
- ROLLERS CERAMIC ROLLERS FOR FAST FIRING KILNS CZECH-GERMAN JOINT VENTURE TAKES OVER ROLLER LIFT-OUT ROLLS AND LEHR ROLLS FOR PRODUCTION OF NEW FORCE IN ROLLER PRODUCTION NEW PLAYER ENTERS THE CERAMIC ROLLER PRODUCTION STAGE
- ROOFING TILES ANALYTICAL CHARACTERISATION OF EFFLORESCENT SALTS AND ANTENNA MOUNTING SYSTEM INCLUDING A STEP ROOF TILE APPLICATION OF THE 'MATRIX-FLUSHING' METHOD TO THE AT LAUMANS THE ROOFING TILES STAND ON THEIR HEADS CHEMICAL CORROSION PHENOMENA OF ROOFING TILES CLAY ROOFING TILE DESIGN DEMANDS CONSIDERABLE KNOW-HOW COMPANY PROFILE CONTROL AND CERTIFICATION OF BRICKS AND ROOFING TILES CORROSION STABILITY OF HEAVY STRUCTURAL PRODUCTS DEPENDENCE OF THE COLOUR OF PORCELAIN AND BUILDING ENERGY SAVINGS IN A DRY PRESS FACTORY OF BUILDING ENERGY-SAVING TUNNEL KILN CAR SYSTEMS FOR THE HEAVY ENGINES FOR CERAMIC PRODUCTS EUROPEAN ENVIRONMENTAL POLICY AND THE TILE AND BRICK EUROPEAN STANDARDISATION OF CLAY ROOFING TILES FAST FIRING OF ROOFING TILES IN A TUNNEL KILN: THE GOLDEN CLAY INDUSTRIES, EUROPEAN TECHNOLOGY IN IMPROVED FLEXIBILITY FOR FIRING SPECIALS MANUFACTURE OF CONCRETE ROOF TILES MATHEMATICAL MODEL FOR THE OPTIMISATION OF CONTINUOUS NEW DEVELOPMENTS: CLAY PREPARATION MACHINES AND ROOF NEW ROOFING TILES FACTORY FROM LINGL NEW TECHNOLOGIES FOR TILE PRESSING AND FAST FIRING IN ONE PLANT, THREE PRODUCTS PERFORMANCE FAILURE OF ORGANIC FIBRE REINFORCED CEMENT PREMIERE FOR NEW TECHNOLOGIES PRODUCTION OF COLOURED CONCRETE TILES PROPOSAL FOR A RELEVANT COST ACCOUNTING METHOD FOR RIDGE TILE WITH DRIP-FORMING PROVISION RISING STAR IN THE CERAMICS INDUSTRY IN THE BALTIC ROLLER KILN FOR ROOFING ELEMENTS: CATRAPARAMA CASE
- 76-05860C  
76-06329C  
76-03718A  
76-04330A  
76-04331A  
76-04372C  
76-03719A  
76-04373C  
76-06452A  
76-04466A  
76-06243C  
76-03730C  
76-04267A  
76-01880A  
76-03739A  
76-03028P  
76-08936A  
76-04334A  
76-04274C  
76-06152A  
76-00057A  
76-01270C  
76-05887C  
76-03753A  
76-04483A  
76-01988C  
76-06259C  
76-03427A  
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76-07158A  
76-07392A  
76-04394A  
76-08845A  
76-04395A  
76-04396A  
76-03766A  
76-01642C  
76-08946A  
76-06312A  
76-08788A  
76-01281C  
76-06335C  
76-07159C  
76-06318C  
76-04397A  
76-04495A  
76-02295A  
76-03772A  
76-05900C  
76-01881A  
76-00266A  
76-03786A  
76-03791A  
76-08217A  
76-08218A  
76-04515A  
76-01858C  
76-00748A  
76-03798A  
76-07988A  
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76-09013P  
76-00081A  
76-04406A  
76-08347A  
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76-01470A  
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76-01522A  
76-06537A  
76-06563A  
76-07284P  
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76-02792A  
76-03879A  
76-06680A  
76-02653A  
76-01251A  
76-04916A  
76-06923A  
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76-05210A  
76-05211A  
76-02332A  
76-00323C  
76-00324C  
76-00580C  
76-07271A  
76-03883A  
76-00329A  
76-00330C  
76-02341C  
76-07272A  
76-01396A  
76-00335A  
76-05220A  
76-00350C  
76-02475P  
76-02535P  
76-03894C  
76-03738C  
76-05220A  
76-00350C  
76-05221A  
76-02449C  
76-00353A  
76-02482P  
76-03282A  
76-00373P  
76-09335A  
76-01413C  
76-01414A
- ROLLER KILNS FOR ROOFING TILES: THE CATRAPARAMA CASE ROOF TILE ROOF TILE SYSTEM SILICATE GLAZED ROOFING TILES STATE OF THE BULGARIAN BRICK AND TILE INDUSTRY AND STUDY OF SEYDISEHIR RED MUD WASTES AS BRICK AND TAIWAN PLANT BOOSTS MOVE TO INTERLOCKING TILES TAIL YELLOW ENGINES FOR ROOFING TILES USE OF FLY ASH AND SEWAGE SLUDGE IN CERAMIC BUILDING VENTILATING ROOF TILES
- ROUGHNESS CERAMIC, METAL, AND COMPOSITE MATERIALS HAVING CERAMIC-METAL COMPOSITE ASSEMBLY FACILITY FOR GRINDING SILICON NITRIDE CERAMIC GLASS SUBSTRATE FOR A MAGNETIC DISK WITH ROUGHENED STUDY OF THE SURFACE MORPHOLOGICAL FEATURES OF THE
- RR ALUMINUM OXIDE FIBRES IN HIGH-TEMPERATURE TECHNOLOGY. PERFORMANCE OF SUB-SCALE CERAMIC-METAL HYBRID HEAT PRODUCT STEWARDSHIP FOR REFRACTORY CERAMIC FIBRE
- RUBIDIUM LOCAL STRUCTURE AND ELECTRICAL RESPONSE OF Rb AND (Rb
- RUSSIA ALL-RUSSIA CONFERENCE OF SILICATE SPECIALISTS BUILDING MATERIALS FROM FLOOR TO ROOF DUNIT OF THE OKO-DOVYRENSK MASSIF ECOLOGICAL PROBLEMS DUE TO THE USE OF ORGANIC BINDERS HELP YOURSELF HIGH-ALUMINA RAW MATERIALS IN RUSSIA HISTORY OF AND NEW DEVELOPMENTS IN SHS IMPROVING THE DESIGN AND TECHNOLOGY OF MOULDS FOR INTERACTION BETWEEN SPECIATED SCIENCES AND INVESTIGATION OF CARBONATE STRATA OF THE LUCHUSKOE JOINT STOCK COMPANY IN THE COMING-TO-BE MARKET MODERN SYSTEM FOR PROCESS CONTROL IN THE PRODUCTION OF MODERN TECHNOLOGIES FOR PROTECTING THE ENVIRONMENT NEW DEVELOPMENTS IN TECHNOLOGIES AND OLIVINE ROCKS OF THE TOPCHULSKOE DEPOSIT IN KUZNETSK PRODUCTION OF CERAMIC BUILDING MATERIALS IN RUSSIA
- RAW MATERIALS BASE OF CENTRAL RUSSIA FOR REFRACTORY RESOURCE CONSERVATION IN THE PRODUCTION AND SECOND BRICKWORKS IN BELBEY SIXTIETH ANNIVERSARY OF THE COMBINED RESEARCH SOURCES FOR SAVING FUEL AND POWER RESOURCES STANDARDISATION OF NEW KINDS OF BUILDING GLASSES STANDARDISATION OF REFRACTORIES IN RUSSIA AND GERMANY STRUCTURE OF THE PRODUCTION AND USE OF MAGNESIA SUGGESTIONS ON RESOURCE-SAVING REFRACTORY TECHNOLOGIES
- RUTHENIA CHARACTERISATION OF SOLUTION DERIVED  $\text{RuO}_2$  ELECTRODES EFFECT OF BINDER GLASS CRYSTALLISATION ON ELECTRICAL EFFECTS OF SUBSTRATE TEMPERATURE AND THE  $\text{O}_2/\text{Ar}$  RATIO ELECTRODES COMPRISING CONDUCTIVE PEROVSKITE-SEED EXTENT OF SOLID SOLUBILITY IN THE  $\text{RuO}_2$ - $\text{TiO}_2$  SYSTEM HIGH-DIELECTRIC-CONSTANT MATERIAL ELECTRODES INVESTIGATION OF THE FORMATION OF  $\text{RuO}_2$ -BASED MIXED ION IMPLANTATION TO IMPROVE MECHANICAL AND ELECTRICAL METALORGANIC CHEMICAL VAPOUR DEPOSITION OF MICROSTRUCTURES AND ELECTRICAL RESISTIVITIES OF THE THIN-FILM RESISTORS COMPRISING RUTHENIUM OXIDE
- RX PHOTOEMISSION STUDY OF THE  $\text{YBaCu}_3\text{O}_{7-x}$  AL COMPOSITE
- RXF CARBON COMPOSITE BIOMATERIALS DETAILED ANALYSIS OF THE FIBRE PULLOUT-OUT TEST
- SA APPLYING ATTRITION DRY MILLING TO CONTINUOUS AND BATCH
- SAFETY GOOD SWIMMING POOL AND SPA DESIGN WITH CERAMIC TILE HEALTH AND SAFETY IN THE HEAVY CLAY INDUSTRY INTEGRATED MANAGEMENT SYSTEM (QUALITY, SAFETY, THE MASONRY ARCH DESIGN AT THE END OF THE 19TH CENTURY NEW SAFETY AT WORK ACT OPERATING FORKLIFTS SAFELY PERSONAL PROTECTIVE GEAR KEEPS WORKERS SAFE PRODUCT STEWARDSHIP FOR REFRACTORY CERAMIC FIBRE SAFETY OF CERAMIC PLANT: CHANGES IN THE SECTOR
- SAMARIUM INCORPORATION OF RARE EARTHS INTO II-VI COMPOUNDS
- SAMARIUM BARIUM SINGLE-PHASE DIELECTRIC COMPOUNDS IN THE BaO-RICH
- SAMPLING SYSTEMATIC STUDY OF THE VARIOUS LITHOLOGICAL TYPES
- SAND FOUNDRY MINERALS. RECYCLING: THE NEW NAME OF THE GAME INDOONESIAN MINERAL SANDS LIGHTWEIGHT CEMENTITIOUS COMPOSITIONS AND METHODS OF MECHANICAL CHARACTERISATION OF HISTORIC MORTARS OF PROCESS FOR MANUFACTURING NATURAL STONE-TYPE REFRACTORY SAND COMPOSITION SURVEY OF UK BUILDING SANDS USE OF SACHKHER SANDS IN PRODUCTION OF GLASS
- SANITARYWARE AIRLESS DRYING AND AIRLESS DRYERS AUTOMATIC CONTROL PROCESS IN THE SANITARYWARE BALL CLAY DEVELOPMENTS FOR PRESSURE CASTING AND CAD MODELLING AND SANITARYWARE DESIGN CASTING SANITARYWARE - MECHANISATION AUTOMATION AND CERAMIC SANITARYWARE PLANT IN ASIA STARTED CHINA GRAPPLES WITH FOREIGN INVESTMENT CHINESE CERAMIC TILE AND SANITARYWARE INDUSTRY CHINESE WALL AND FLOOR TILE AND SANITARYWARE INDUSTRY COLOMBIAN CERAMIC DEFLOCCULANT EFFECTS ON PLASTER MOULD CHARACTERISTICS DEFORMATION BEHAVIOUR OF GREEN SANITARYWARE PRODUCTS DESIGNING FIRING SCHEDULES WITH THERMAL ANALYSIS DEVELOPMENT OF A NEW REFINED BALL CLAY PRODUCT DEVELOPMENT OF REFINED BALL CLAY DISPENSING UNIT FOR A TOILET CISTERN DOUBLE-DECK SHUTTLE KILN FOR SANITARYWARE DRAIN SECTION STRUCTURE OF TOILET STOOL DRYING PROCESS BY FORCED AIR DRYING SANITARYWARE USING A COMBINATION OF MICROWAVES DUAL-FLUSH FACILITY FOR A SYPHON-DISCHARGE FLUSHING EUROPEAN STANDARD FOR SANITARYWARE EVALUATION OF SANITARYWARE BODY COMPOSITION EXPERTS IN DESIGN EXPERTS AND AUTOMATED HANDLING FOR SANITARYWARE AT FEDERCERAMICA: ITALIAN FEDERATION OF CERAMIC PRODUCERS FIRST PULSE FIRED SANITARYWARE KILN IN FAIENCIERES DE HIGH-QUALITY CORDIERITE KILN FURNITURE FOR CERAMICS HISTORY OF THE DEVELOPMENT OF SANITARYWARE
- 76-01416A  
76-05233P  
76-00374P  
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76-00600A

- HYCAST ZENITH**  
INNOVATIVE BODIES FOR THE FAST FIRING PROCESS OF
- INTERNAL OVERFLOW FITTING FOR A SIPHON-DISCHARGE**  
JAPANESE CERAMICS AND BALL CLUSTERS  
KAOLIN IN CERAMICS: THE VIEW FROM EUROPE  
MODERN EVOLUTION IN QUALITY MANAGEMENT AND  
MODERN SANITARYWARE PLANT IN ENGLAND  
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COMPARATIVE STUDY OF LASER ABLATION TECHNIQUES FOR  
CONSIDERATION ON H<sub>2</sub>S SENSING MECHANISM OF CuO-SnO<sub>2</sub>  
DESIGN OF INTELLIGENCE IN MATERIALS  
DETECTION OF CRYPTOSPORIDIUM PARVUM IN ANTIBODY-DOPED  
DEVELOPMENT OF HIGH-TEMPERATURE HYDROGEN SENSOR BASED  
DIFFUSION BONDING OF SrCoO<sub>3</sub> AND Al<sub>2</sub>O<sub>3</sub>  
EFFECT OF DEFECT STRUCTURE ON GAS SENSITIVITY OF  
EFFECT OF OXYGEN-GAS CONCENTRATION IN THE  
EFFECT OF THE MAGNETISATION PROCESSES ON MAGNETIC  
EFFECT OF THE MICROSTRUCTURE, PHASE AND CHEMICAL  
EFFECT OF THICKNESS ON H<sub>2</sub> GAS SENSITIVITY OF SnO<sub>2</sub>  
EFFECTS OF PALLADIUM DISPERSIONS ON GAS-SENSITIVE  
ELECTRICAL CONDUCTIVITY, FLAMMABLE GAS RESPONSE AND  
ELECTROCHEMICAL CELLS AND METHODS USING PEROVSKITES  
ELECTROCHEMICAL GAS SENSOR  
ELECTROLYSIS OF WATER IN CuO/ZnO HETEROCONTACT  
EMBEDDED OPTICAL FIBRE SENSORS IN CMC AND MMC  
EVALUATION OF DEEP ETCHING TECHNIQUES FOR SILICON  
EXHAUST SENSOR HAVING PLATE CERAMIC SENSING  
FABRICATION AND CHARACTERISTICS OF HIGH-PERFORMANCE  
FIELD-MOUNTABLE FIBRE OPTIC SENSORS FOR LONG-TERM  
GAS SENSING CHARACTERISTICS OF ZINC-TIN COMPLEX OXIDE  
GAS SENSING PROPERTIES OF BARIUM IRON NIOBATE  
GLASS FURNACE TECHNOLOGY FOR REDUCED EMISSIONS BASED  
HIGH TEMPERATURE GAS STREAM OPTICAL FLAME SENSOR  
HIGH TEMPERATURE SAPPHIRE OPTICAL FIBRE  
HIGH-TEMPERATURE SOLID-STATE POTENTIOMETRIC SENSOR FOR  
HOUSING FOR GAS SENSORS  
HUMIDITY RESPONSE OF TITANIA CERAMICS  
HYDROGEN SULPHIDE SENSING CHARACTERISTICS OF TIN OXIDE  
INFLUENCE OF ADDITIVES ON THE MORPHOLOGICAL, PHASE AND  
INFLUENCE OF SINTERING ADDITIVES ON THE HUMIDITY  
INVESTIGATION OF SnO<sub>2</sub> DEFECT CHEMISTRY IN RELATION  
IONIC AND ELECTRONIC SENSITIVITY OF Mg- and Nb-DOPED  
IONIC CONDUCTIVITY AND SINTERABILITY OF Na<sub>2</sub>SiO<sub>3</sub>-TYPE  
ISOBUTANE GAS SENSING CHARACTERISTICS OF ZINC-TIN  
LATEST TECHNOLOGY OF AUTOMOTIVE OXYGEN SENSOR  
LOW-COST, CENTER-MOUNTED CAPACITIVE PRESSURE SENSOR  
MAGNETICALLY SHIELDED MAGNETIC SENSOR WITH SOLID AND  
METAL OXIDE GAS SENSOR  
METHOD FOR PRODUCING A PRESSURE SENSOR  
METHOD OF DISTRIBUTING MOLTEN GLASS GOBS IN AN IS

76-03345P  
76-05610P  
76-07844P  
76-05611P  
76-00865P  
76-05612P  
76-07846P  
76-05616P  
76-07847P  
76-07849P  
76-07850P  
76-03347P  
76-07851P  
76-03348P  
76-00866P  
76-05617P  
76-07853P  
76-07854P  
76-07855P  
76-07856P  
76-05618P  
76-03349P  
76-05619P  
76-05620P  
76-03350P  
76-05614P  
76-03351P  
76-05621P  
76-07859P  
76-07860P  
76-07861P  
76-05622P  
76-07862P  
76-03280A  
76-05623P  
76-00867P  
76-03281P  
76-03351P  
76-07865P  
76-03352P  
76-00817A  
76-05614P  
76-03352P  
76-05627P  
76-07164A  
76-03285C  
76-07168A  
76-03286P  
76-03287P  
76-01130P  
76-03651P  
76-03288A  
76-03289A  
76-03290A  
76-00873P  
76-03291P  
76-03292P  
76-03292A  
76-05629P  
76-05631P  
76-04680P  
76-03293P  
76-03294A  
76-03296A  
76-03297A  
76-03298P  
76-03299P  
76-03300P  
76-04194A  
76-03301C  
76-00747A  
76-05629P  
76-03302C  
76-03303A  
76-03355P

MICROMACHINED SILICON CO GAS SENSORS  
MICROSTRUCTURAL PROPERTIES OF MICROPOROUS  
MIXED POTENTIAL HYDROGEN SENSOR COMBINING OXIDE ION  
MODIFIED CuO SURFACE APPROPRIATE FOR SELECTIVE CO GAS  
MONOLITHIC THERMAL DETECTOR WITH PYROELECTRIC FILM AND  
MULTIPLE-SENSOR SILICON CHIP FOR INTELLIGENT AND  
MULTISENSOR SYSTEM FOR GAS DETECTION IN COMBUSTION  
NEW PROCESS FOR PRODUCING BETA ALUMINA BASED GAS  
NO<sub>2</sub> GAS SENSING PROPERTIES OF RARE EARTH-COPPER  
NON-RESPONSE PROPERTIES IN DC CURRENT OF  
OPTICAL SENSING OF COMBUSTION DYNAMICS  
OPTICAL TEMPERATURE SENSOR USING THERMOCHROMIC  
OPTOELECTRONIC FERROELECTRIC SENSOR AND SIGNAL  
OROSOLS AS DETECTORS OF ORGANIC COMPOUNDS BY  
PRESSURE SENSING DEVICE  
PRESSURE SENSOR  
PROCESS FOR SEALING APERTURES IN GLASS-SILICON-GLASS  
PROTONIC CONDUCTION IN Sr<sub>1-x</sub>Zr<sub>x</sub>O<sub>3</sub>-DELTA  
RESISTIVE GAS SENSING, ESPECIALLY FOR DETECTION OF  
SELECTIVITY AND COMPOSITIONAL DEPENDENCE OF RESPONSE  
SEMICONDUCTOR SENSOR WITH SUSPENDED MICROSTRUCTURE AND  
SENSOR FOR MEASURING PARTIAL PRESSURES OF OXYGEN  
SENSORS  
SILICA-SOL-COATED ALPHA-HAEMATITE HUMIDITY SENSOR FOR  
SOL-GEL SYNTHESIS OF HIGH-HUMIDITY-SENSITIVE AMORPHOUS  
SOL-GEL-COATED PRODUCTS IN AUSTRALIA  
SOLID ELECTROLYTE GAS SENSOR AND PROCESS OF PRODUCING  
SOLID-STATE OXYGEN SENSOR  
STRESS SENSOR FABRICATED FROM A MATERIAL HAVING  
STRUCTURAL AND GAS-SENSING PROPERTIES OF NANOMETRE TIN  
TEMPERATURE SENSOR  
TEMPERATURE SENSOR HAVING A CERAMIC SUBSTRATE WITH LOW  
THEORY AND SIMULATION OF SOLID-ELECTROLYTE WIDE-RANGE  
TWO-AXIS MAGNETIC SENSOR USING A PIEZOELECTRIC SUPPORT  
VAPOUR SENSING PROPERTIES OF A CADMIUM OXIDE-ANTIMONY  
X-RAY PHOTOELECTRON SPECTROSCOPY CHARACTERISATION OF

## SEPARATION

DIE SEPARATION METHOD FOR SILICON-ON-DIAMOND CIRCUIT  
GALLIUM NITRIDE THICK LAYERS: EPITAXIAL GROWTH AND  
HIGH MICROPORE VOLUME LOW-SILICA-EMT-CONTAINING  
HONEYCOMB BATTERY SEPARATOR  
IMPROVED HIGH-INTENSITY MAGNETIC SEPARATION FOR  
LI-EXCHANGED LOW-SILICA EMT-CONTAINING  
MEMBRANE FOR LIQUID MIXTURE SEPARATION  
METHOD OF MANUFACTURING CERAMIC MULTILAYER CIRCUIT  
OXYGEN ION-CONDUCTING DENSE CERAMIC  
OXYGEN PERMEABLE MIXED CONDUCTOR MEMBRANES  
PREPARATION OF AMMONIUM RARE-EARTH DOUBLE OXALATES AND  
PROCESSING OF INDUSTRIAL MINERALS BY SELECTIVE  
PRODUCTION OF ALUMINA

## SETTING

CALCIUM PHOSPHATE HYDROXYAPATITE PRECURSOR AND METHODS  
EFFECT OF LARGE ADDITIONS OF Cd, Pb, Cr, Zn, TO CEMENT  
INVESTIGATION ON THE USE OF GARNET GRANULATES IN THE  
INVESTIGATIONS ON HIGH SO<sub>3</sub> PORTLAND CLINKERS AND  
OUTLINE OF LOW HEAT CEMENT  
RELATION BETWEEN SETTING TIME AND ADDITIVES OF  
STUDIES ON MECHANISM AND PHYSICO-CHEMICAL PARAMETERS  
STUDY OF HIGH TEMPERATURE SLAG SANDY CEMENT  
STUDY ON THE RETARDING EFFECTS OF CEMENT MORTAR  
SEWER PIPES  
CHAMOTTE TESTS IN REGARD TO VITRIFIED CLAY SEWER PIPES  
UTILISATION OF FLY ASH FOR CERAMIC INDUSTRY

## SGP

INFLUENCE OF HYDROTHERMAL SYNTHESIS PARAMETERS ON THE  
SHAPE  
NORTH WEST GEORGIA SHALES AS RAW MATERIALS FOR  
SHAPING

APPARATUS FOR AND METHOD OF BENDING GLASS SHEETS  
APPARATUS FOR CONTINUOUS AND PROCESSING A  
APPARATUS FOR FORMING WIDE MOUTH GLASSWARE  
APPLICATION OF RAPID PROTOTYPING TECHNOLOGIES TO  
BORONISING REDUCES WEAR IN CERAMIC PROCESSING  
CERAMIC DIE FOR CUTTING AND SHAPING LEAD FRAMES AND  
CERAMIC LAMINATION ISSUES IN SUPERPLASTIC FORMING OF  
COMPOSITE MATERIALS  
DIRECT COAGULATION CASTING - A NEW GREEN SHAPE  
DIRECT COAGULATION CASTING - A NEW GREEN SHAPING  
ELECTROPHORETIC DEPOSITION (EPD): MECHANISMS  
RAPID FABRICATION OF STRUCTURAL COMPONENTS  
FORMING METAL-INTERMETALLIC OR METAL-CERAMIC  
FREEFORM FABRICATION OF CERAMICS VIA STEREO LITHOGRAPHY  
GLASSCASTING  
GLASS SHEET BENDING METHOD  
GLASS SHEET FORMING SYSTEM  
IMPROVEMENT OF THE CHEMICAL COMPOSITION AND FOUNDED  
INFLUENCE OF THE FORMING METHODS ON THE FLEXURAL  
INJECTION MOULDED Si<sub>3</sub>N<sub>4</sub> STRUCTURAL COMPONENTS  
LOW-COST SILICA TEXTILES FOR GLASS FURNACE INSULATION  
METHOD FOR ELONGATING A GLASS PREFORM  
METHOD FOR PREPARING ELONGATED-SHAPE SILICA SOL  
METHOD OF AND APPARATUS FOR BENDING GLASS SHEETS  
METHOD OF MAKING AN OBJECT HAVING AN INTERNAL  
METHOD OF MAKING A CERAMIC DIE  
METHOD OF MANUFACTURING CERAMICS USING A POROUS MOLD  
METHOD OF PREPARING CEMENTED CARBIDE OR CERMET ALLOY  
METHOD OF SHAPING A POLYCRYSTALLINE DIAMOND BODY  
METHODS FOR FABRICATING SHAPES BY USE OF  
NET SHAPE MANUFACTURING OF CMCs AND MMCs BY LAMINATE  
NET SHAPE PROCESSING CO-CONTINUOUS ALUMINA-ALUMINIUM  
NET-SHAPING OF CERAMIC GREEN PARTS BY HYDROLYSIS  
NEW TECHNOLOGIES IN FORMING OF CERAMICS - NEAR NET  
NOVEL SOLID METAL-BEARING PRECURSOR (SMP) ROUTE TO  
PRESSURE FORMING OF GLASS SHEETS  
PROCESS AND APPARATUS FOR THE PRODUCTION OF CURVED  
PROCESS FOR PREPARING A SILICON CARBIDE SINTERED BODY  
PROCESS FOR PRODUCING SHAPED BODIES HAVING THERMALLY  
PRODUCTION OF SILICON NITRIDE MATERIALS OF HIGH  
PUMPING INSTALLATION FOR FREE FLOW CASTABLES BY PISTON  
RAPID MONOTONIC NITRIDING OF MOLDS AND PARTS OF  
SHAPE GLASS SHEET AND A PROCESS FOR THE PREPARATION  
SIC PLATELET ORIENTATION IN A LIQUID-PHASE-SINTERED  
SINTERED SIC SHAPED ARTICLES AND MECHANICAL PACKINGS  
SLURRY COMPOSITION, SHAPING METHOD USING THE SAME, AND  
SOLID FREE PRESSURE FABRICATION METHODS AND CERAMIC  
SUPERCONDUCTIVE FIBREFORM CERAMIC COMPOSITE  
TRANSFER DEVICE FOR BENT GLASS SHEETS

## SHEET FORMING

APPARATUS FOR IN SITU GREEN SHEET SLITTING  
DISPERSION OF SUSPENSION IN DOCTOR BLADE PROCESS  
METHOD FOR HUMIDITY EXCHANGER, HUMIDITY EXCHANGER  
METHOD FOR LOW TEMPERATURE PRECOMPACTION OF GLASS  
PREPARATION AND CHARACTERISATION OF CERAMIC POROUS

76-06459C  
76-07447C  
76-03079A  
76-00712A  
76-06697P  
76-05528C  
76-00715A  
76-03082C  
76-07449C  
76-05426A  
76-01807P  
76-00659P  
76-07995P  
76-00724A  
76-07520P  
76-07521P  
76-01345P  
76-00729A  
76-05513P  
76-07459A  
76-05522P  
76-01346P  
76-01715P  
76-03098C  
76-07460A  
76-03437C  
76-01226A  
76-01716P  
76-08757P  
76-03102A  
76-08538P  
76-00516A  
76-03111A  
76-00745A  
76-00747A  
76-07468A  
76-02076P  
76-07586C  
76-04571P  
76-01801P  
76-01226A  
76-02092P  
76-02093P  
76-01699P  
76-04615P  
76-03141P  
76-05703P  
76-07855P  
76-09089P  
76-01275A  
76-02167P  
76-02050P  
76-00208A  
76-01491A  
76-05003A  
76-00056A  
76-00512A  
76-06971A  
76-02704A  
76-07398A  
76-04459A  
76-06389A  
76-06231P  
76-03095P  
76-03802P  
76-05819A  
76-01164A  
76-04206P  
76-05058P  
76-01189A  
76-01191A  
76-01207A  
76-01366P  
76-00159P  
76-03706A  
76-05851A  
76-01325P  
76-08241P  
76-05180A  
76-05861C  
76-08173A  
76-0283A  
76-07256P  
76-04592P  
76-03815P  
76-08245P  
76-06672P  
76-01336P  
76-06885P  
76-09072P  
76-06894P  
76-05877A  
76-05878A  
76-05878C  
76-05882A  
76-06151C  
76-08247P  
76-03342P  
76-03342P  
76-04495A  
76-06291P  
76-04670P  
76-03780C  
76-03823P  
76-06354P  
76-01316P  
76-08145A  
76-01403P  
76-02680P  
76-02922A

PROCESS FOR THE MANUFACTURE OF A FLAT GLASS SHEET WITH PRODUCING A CERAMIC MEMBER HAVING FINE THROUGHHOLES

## SHIELDING

METHOD FOR PREPARING MULTILAYER CERAMIC/GLASS SPATIAL LIGHT MODULATOR HAVING A GERMANIUM OPTIC LIGHT SUPERCONDUCTIVE DEVICE FOR HELPING SHIELD MAGNETIC

## SHOCK PROCESSING

ALUMINIUM-BORON CARBIDE COMPOSITES  
DYNAMIC COMPACTION OF CERAMIC POWDERS  
DYNAMIC COMPACTION OF CERAMICS  
NUMERICAL MODELLING OF SHOCK-COMPRESSION PROCESSING OF RAPID QUENCH FORMATION OF 5-9NM FROM SHOCKED SYNTHESIS AND CHARACTERISATION OF A SHOCK-SYNTHESISED UNDERWATER-SHOCK CONSOLIDATION OF COMBUSTION

## SHOCK RESISTANCE

ROUTINE TECHNIQUES TO CHARACTERISE THE EFFICIENCY OF

## SHRINKAGE

ADMIXTURE FOR INHIBITING DRYING SHRINKAGE OF CEMENT DRYING SHRINKAGE CEMENT ADMIXTURE  
FAST CONVENIENT METHOD TO PREPARE HYBRID SOL-GEL FUNDAMENTALS OF DRYING AND SHRINKAGE  
INFLUENCE OF  $\text{Al}_2\text{O}_3$  ADDITION ON THE SINTERING BEHAVIOUR KALINS OF THE PROSYANOVSKOE AND KYSHTEYNSKOE DEPOSITS  
METHOD OF FABRICATION GLASS DIAPHRAGM ON SILICON ON THE TENSILE RELAXATION OF MASONRY  
PROCESS FOR PRODUCING CERAMIC GREEN COMPACTS BY DOUBLE PROCESS OF MANUFACTURING VITREOUS SILICA PRODUCT SEMICONDUCTOR HAVING SELECTIVELY ENHANCED FIELD OXIDE SHRINKAGE AND MICROSTRUCTURAL DEVELOPMENT DURING SHRINKAGE BEHAVIOUR ON HEATING OF CERAMIC FIBRE SINTERING STUDY OF CALCIUM ALUMINATE  
THREE-PHASE MODEL OF THE ELASTIC AND SHRINKAGE

## SIALON

ABSORPTION SPECTRA OF RARE-EARTH DOPED ALPHA-SIALON ADDITIVE-ASSISTED PRESSURELESS SINTERING OF ALPHA-BETA SIALON CERAMICS IN THE  $\text{Y}_2\text{Si}_2\text{Al}_2\text{O}_{10}$  AND APPLICATIONS OF SILICON NITRIDE BASED CERAMICS  $\text{CaO}$ -DOPED ALPHA-SIALON CERAMICS  
CERAMICS FOR HIGH TEMPERATURE PROCESSING  
CHEMICAL REACTIVITY BETWEEN  $\text{Si-Al-O-N}$  CUTTING TOOLS COMPOSITIONAL DESIGN OF ALPHA-BETA-YAG( $\text{Y}_3\text{Al}_5\text{O}_{12}$ ) CRACKING DURING INDENTATION IN SIALON-BASED CERAMICS: CRYSTAL PHASE AND PHONON DENSITIES OF STATES OF CRYSTALLISATION OF  $\text{Y}_3\text{Al}_5\text{O}_{12}$  FROM AN OXYNITRIDE GLASS CYCLIC FATIGUE CRACK GROWTH IN  $\alpha$ -ALPHA-BETA-SIALON DECOMPOSITION OF 5m ALPHA-SIALON PHASES DURING DEVITRIFICATION STUDY OF  $\text{Mg}_2\text{Y}_2\text{Si}_2\text{Al}_2\text{O}_{10}$  GLASSES DUPLEX ALPHA-BETA-SIALON CERAMICS STABILISED BY EFFECT OF CRYSTALLISATION OF THE GRAIN-BOUNDARY PHASE EFFECT OF HEAT-TREATMENT ON THE PERFORMANCE OF EFFECT OF MICROSTRUCTURES OF SIALON CERAMICS ON EFFECT OF A SMALL AMOUNT OF  $\text{SiO}_2$  ON THE REACTION EFFECT OF STARTING COMPOSITION, TYPE OF RARE EARTH EFFECT OF TYPE OF RARE EARTH OXIDE ADDITIVE ON THE ELECTRONIC STRUCTURES OF  $\text{Ln}_3\alpha$ -ALPHA-SIALON $_6$  WITH FORMATION OF AIN AND 15R PHASE IN THE CARBOTHERMIC FORMATION OF ALPHA-SIALONS WITH DUAL MODIFYING CATIONS HEAT TREATMENT OF WOLLASTONITE-TYPE  $\text{Y-Si-Al-O-N}$  IN SITU FORMATION OF SIALON COMPOSITE PHASES INFLUENCE OF ALLOYING ELEMENTS ON THE CHEMICAL INFLUENCE OF CUTTING TOOL SURFACE PRETREATMENTS ON INFLUENCE OF ZIRCONIA ADDITION ON THE CRYSTALLISATION INVESTIGATION OF SIALON POWDERS AND SINTERED MATERIALS MECHANISM FOR ALPHA TO BETA SIALON TRANSFORMATION MELTITE FORMATION IN A SAMARIUM-STABILISED MICROSTRUCTURAL EVOLUTION OF 5m (ALPHA + BETA)-SIALON MICROSTRUCTURE FORMATION AND MECHANICAL PROPERTIES OF MICROWAVE REACTION SINTERING OF ALPHA-BETA-SIALON NEW SILICOTHERMAL ROUTE TO THE FORMATION OF X-PHASE NITROGEN-RICH LIQUID PHASE REGIONS IN THE  $\text{Ln-Si-Al-O-N}$  ON THE EXTENSION OF THE ALPHA-SIALON SOLID SOLUTION OPTIMISATION OF OXYNITRIDE GLASS FORMATION AND OXIDATION OF  $\text{Y}_2\text{Si}_2\text{Al}_2\text{O}_{10}$  FOR SIALON POWDERS PERFORMANCE OF CERAMIC CUTTING TOOLS IN TURNING PHASE FORMATION OF  $\text{Ca-Al-Si-Al-O-N}$  BY REACTION PHASE STABILITY AREA OF  $\text{Ca-Al-Si-Al-O-N}$  PHASES FORMED IN THE  $\text{SiO}_2$ -RICH CORNER OF THE PLASMA-SPRAYED CERAMIC COATINGS FOR SIALON CERAMICS POST-SINTERING HEAT TREATMENT OF RARE EARTH POWDERS AND COMPONENTS PRODUCED BY USING SOLID PREDICTION OF GLASS FORMING REGION IN THE  $\text{Sm-Si-Al-O-N}$  PREFERRED ORIENTATION IN HOT PRESSED  $\text{Ca-Al-Si-Al-O-N}$  PREPARATION AND PROPERTIES OF STABLE OXYGEN-PLASMA-DOPED PREPARATION OF BETA-SIALON CERAMICS FROM FLY-ASH PRODUCTION OF SILICON NITRIDE MATERIALS OF HIGH RARE-EARTH MELTITE SOLID SOLUTION AND ITS PHASE RARE-EARTH-DOPED ALPHA-SIALON CERAMICS WITH NOVEL REACTION BONDING AND POST SINTERING OF ALPHA-SIALONS REACTIONS OCCURRING IN POST HEAT-TREATED ALPHA/BETA REINFORCEMENT OF ALPHA-SIALON CERAMICS SIALON COMPOSITES CONTAINING RARE-EARTH MELTITE AND SILICON NITRIDE BASED SINTERED BODY SILICON NITRIDE MATERIALS AND COMPONENTS FOR SINTERED SILICON NITRIDE-BASED BODY SOLID-STATE NMR CHARACTERISATION OF BETA-SIALONS FROM STABILITY OF YTTRIUM ALPHA-SIALON AND BETA-SIALON AT STATISTICAL EVALUATION OF CORROSION OF SIALON IN STUDY ON THE STRUCTURES OF N-CONTAINING MELTITE TOTAL AQUEOUS PROCESSING OF CARBOTHERMALLY PRODUCED VOLATILE PRODUCTS FORMED BY CARBOTHERMAL REDUCTION AND WEAR BEHAVIOUR OF ALUMINA AND SIALON IN LINE CONTACT X-RAY DATA FOR NEW  $\text{Y-Si-Al-O-N}$  GLASS-CERAMICS YTTRIUM SIALON GLASSES: NUCLEATION AND CRYSTALLISATION

## SIEVES

ALUMINIUM-CONTAINING MESOSTRUCTURAL MATERIALS FROM SIEVES TO LASERS: ADVANCES IN PARTICLE SIZE SILICA-BASED MESOPOROUS MOLECULAR SIEVES DERIVED FROM SMALL ANGLE NEUTRON SCATTERING STUDY OF THE STRUCTURE TEMPERATURE PROGRAMMED DESORPTION VS  $\text{N}_2$  DESORPTION IN WATER ADSORPTION AND DESORPTION ISOTHERMS OF SILICA

## SILANES

EFFECT OF PROCESSING PARAMETERS ON SECOND-ORDER FABRICATION OF GRIN MATERIALS BY PHOTOPOLYMERISATION FUNCTIONAL PHOSPHATE ALKOXYLANES FOR FACILITATED HYBRID ORGANIC-INORGANIC COATINGS FOR ABRASION INVESTIGATION OF HYDROLYSIS AND CONDENSATION IN METHOD FOR MAKING GLASS ARTICLES HAVING A PERMANENT NOVEL SOL-GEL PROCESSED PHOTOREFRACTIVE MATERIALS PHOTOREFRACTIVE SOL-GEL MATERIALS SILANE-TREATED INORGANIC FILMENTS

## SILICA

29Si MAS NMR, XRD, AND FESEM STUDIES OF RICE HUSK ACOUSTIC ISOLATOR HAVING A HIGH IMPEDANCE LAYER OF ACTIVATED SILICA SOL ALKALI METAL ION MIGRATION CONTROL

76-02692P  
76-08248P

76-06647P  
76-08635P  
76-06939P

76-00080C  
76-01197C  
76-08895A  
76-08161A  
76-04287A  
76-08735A  
76-08745C

76-02662C

76-05032P  
76-05036P  
76-08899A  
76-03708C  
76-01613A  
76-04197A  
76-04603P  
76-02758C  
76-09109P  
76-02168P  
76-07857P  
76-06806C  
76-02940A  
76-04167A  
76-00365A

76-08654A  
76-01724A  
76-06211C  
76-04226C  
76-06231A  
76-05648A  
76-02488C  
76-08650A  
76-01737A  
76-04161A  
76-00192A  
76-04242A  
76-01919A  
76-02548A  
76-08652A  
76-04244A  
76-06403A  
76-01746A  
76-01749A  
76-06223A  
76-06224C  
76-04248A  
76-06230C  
76-08672A  
76-07202A  
76-08680A  
76-04260A  
76-01227C  
76-00204A  
76-06223A  
76-06244C  
76-08688A  
76-06246C  
76-06248A  
76-08703A  
76-08703A  
76-08705A  
76-06253A  
76-07084C  
76-08709A  
76-04817C  
76-01976A  
76-06309C  
76-04346A  
76-01170A  
76-06255C  
76-08395C  
76-08712A  
76-04262A  
76-08714A  
76-06257C  
76-06259C  
76-01850A  
76-08717A  
76-01993C  
76-01779A  
76-09264C  
76-02223A  
76-06768P  
76-04293C  
76-06775P  
76-06270A  
76-08727A  
76-08728A  
76-09188A  
76-04300A  
76-04304A  
76-01314A  
76-07103A  
76-02581A

76-06375A  
76-01365A  
76-06165A  
76-08827A  
76-06177A  
76-06182A

76-06408C  
76-06417C  
76-04247C  
76-06436C  
76-06447C  
76-07258P  
76-06477C  
76-06485C  
76-09129P

76-04406A  
76-07469P  
76-04520P  
76-02634P

ALPHA-ALUMINA-BASED ABRASIVE GRAIN CONTAINING SILICA AMORPHOUS  $\text{SiO}_2$   
APPARATUS FOR DELIVERING A SILICA FILM FORMING APPLICATION OF OPTICAL PROCESSING FOR GROWTH OF ARTIFICIAL TOOTH  
BASE BODY OF REFLECTING MIRROR AND METHOD FOR THE BASE BODY OF A REFLECTING MIRROR AND METHOD FOR THE BASE FILM HAVING DIMENSIONAL STABILITY AND HIGH BIOACTIVE GRANULES FOR BONE TISSUE FORMATION BIOACTIVE MATERIAL TEMPLATE FOR IN VITRO SYNTHESIS OF BIO-CERAMICS USED IN ARTIFICIAL BONE AND ARTIFICIAL BIOLOGICAL ACTIVITY OF FUNCTIONALISED  $\text{SiO}_2$  THIN FILMS BIOLOGICALLY ACTIVE COMPOSITION  
BIPOLAR TRANSISTOR HAVING THIN INTRINSIC BASE WITH LOW BLUE HIGH SILICA GLASS  
BONDING PROCEDURE FOR  $\text{SiO}_2$  ASSEMBLIES  
CALCULATION OF SOFT ATOMIC POTENTIALS CAUSED BY THREE-CERAMIC COMPOSITE COATING  
CERAMIC FUSED FIBRE ENHANCED DENTAL MATERIALS  
CERAMIC MATERIAL  
CERAMIC STRENGTHENING BY GEL DERIVED COATING  
CHEMICAL FUNCTIONALIZATION OF SILICA AEROGELS  
CHEMICALLY ACTIVE CERAMIC COMPOSITIONS WITH A

CHEMICALLY ACTIVE CERAMIC COMPOSITIONS WITH A THOL COATING AND WATER PERMEATION PROPERTIES OF  $\text{SiO}_2$  THIN COMPARISON OF THE GROWTH OF  $\text{SiO}_2$  SPHERES COMPOSITES FOR GLASS  
COMPOSITION FOR COLOURED GLASS INTENDED FOR THE COMPOUNDS AND COMPOUNDS FOR COATING GLASS WITH CONDUCTIVE PASTE AND MULTILAYER CERAMIC CAPACITOR CONDUCTIVE PASTE AND MULTILAYER CERAMIC CAPACITOR CONTROLLED PRECIPITATION OF AMORPHOUS SILICA FROM CONTROLLING THE POROSITY OF MICROPOROUS SILICA BY INORGANIC PORCELAIN COMPOSITION, PROCESSES FOR ITS CROSS-CONDENSATION KINETICS OF ORGANICALLY MODIFIED CRYOLITE-RESISTANT REFRACTORY  
CURING HYDROGEN SILSESQUOXANE RESIN WITH AN ELECTRON DENTAL CERAMIC RESTORATION USING A MULTILAYERED DENTRIFICE-COMPATIBLE SILICA PARTICULATES

DETERMINATION OF THE ENERGY OF THE INTERACTIONS DIELECTRIC CERAMIC COMPOSITION  
DIELECTRIC PROPERTIES OF ORGANIC-INORGANIC HYBRIDS DIELECTRIC-POLYSILOXANE-ELECTROLYTE ANTIFUSE FOR FIELD DIRECT DEPOSITION OF SILICA FILMS CONTAINING ORGANIC DRYING AND SINTERING OF SOL-GEL DERIVED LARGE  $\text{SiO}_2$  EFFECT OF MALIC ACID ON STRUCTURE OF SILICON ALKOXIDE EFFECT OF MICROSTRUCTURE ON THERMAL DEHYDROXYLATION OF EFFECT OF SURFACE MODIFICATION ON PHYSICO-CHEMICAL ELECTRICAL AND DIELECTRIC RELAXATION IN SILICA GLASSES ELECTROACOUSTIC CHARACTERISATION OF PARTICLE SIZE AND ELECTROCONDUCTIVE COMPOSITION AND PROCESS

ELECTROCONDUCTIVE MATERIAL AND PROCESS  
ELECTROLUMINESCENCE FROM  $\text{ITO/SiO}_2/\text{Ta}_2\text{O}_5/\text{Al}$  MULTIPLE ELECTROLUMINESCENT MATERIAL, SOLID-STATE ELECTROPHORETIC DEPOSITION OF COMPOSITS OF NANOSIZED  $\text{Er}^{3+}$ -DOPED SILICA AND HYBRID ORGANIC-INORGANIC SILICA ERBIUM-DOPED PLANAR OPTICAL DEVICE  
FABRICATION OF CERAMIC METAL COMPOSITES BY REDUCTION FAUX GLASS ETCH PRODUCT AND PROCESS OF PREPARING SAME FET DEVICE WITH DOUBLE SPACER  
FIBRE OPTIC SENSING OF CYANIDES IN SOLUTIONS FIBROUS ZEOLITE AND PREPARATION METHOD THEREOF FIELD EFFECT TRANSISTOR INCLUDING SILICON OXIDE FILM

FINE SILICA TUBE AND PROCESS FOR MAKING SAME FLAME HYDROLYTICALLY PRODUCED TITANIUM DIOXIDE MIXED FORMATION OF  $\text{SiO}_2$ -BASED COATINGS BY THE SOL-GEL METHOD FREE-FORM FABRICATION OF CERAMICS VIA STEREO LITHOGRAPHY FTIR SPECTROSCOPY AND X-RAY DIFFRACTION  
GAS PHASE SYNTHESIS OF FINE SILICA PARTICLES IN A TUBE GEM COMPOSED OF A GLASS BASED ON SILICON OXIDE AND GENERAL ROUTES TO MICROPOROUS THIN FILMS: FORMATION OF GLASS FIBERS FOR USE AS FILTERS IN PRINTED CIRCUIT GLASS COMPOSITION FOR A SUBSTRATE, AND SUBSTRATE FOR GLASS COMPOSITIONS  
GLASS FOR LAMINATED GLASS ARTICLES GLYCIDYOXYPROPYLTRIMETHOXYMETHYL-SILANE MODIFIED COLLOIDAL GROUNDING LIQUID FOR INJECTION INTO THE GROUND HEAT TREATMENT EFFECT OF DISPERSED PARTICLES ON THE HIGH COUPLING RATIO OF FLASH MEMORY  
HIGH DENSITY SELECTIVE  $\text{SiO}_2$ - $\text{SiO}_2$  ETCHING USING A HIGH MICROPORE VOLUME LOW-SILICA EMT-CONTAINING HIGHLY PURIFIED BIOGENIC  $\text{SiO}_2$  PRODUCT  
HIGHLY SELECTIVE SILICON OXIDE ETCHING METHOD  
HIGH-QUALITY LOW-TEMPERATURE DEPCVD SILICON DIOXIDE HIGH-SILICA ZEOLITE SSZ-37 AND METHODS OF MAKING AND HIGH-TEMPERATURE COATING ON CERAMIC SUBSTRATE AND HIGH-TEMPERATURE STABLE CONTINUOUS FILAMENT

HOLDER FOR ANNEALING FIBRE OPTIC COILS HYDRIDOSILOXANES AS PRECURSORS TO CERAMIC PRODUCTS HYDROLYSIS AND CONDENSATION KINETICS OF TWO COMPONENT IMPROVEMENT OF CRYOGENIC FRACTURE TOUGHNESS OF EPOXY IN SITU GENERATION OF SILICA REINFORCEMENT IN MODIFIED INCORPORATION OF BIOLOGICALLY ACTIVE MOLECULES INTO INCREASING THE RETENTION OF  $\text{GeO}_2$  DURING PRODUCTION OF INDIUM ANTIMONIDE (InSb) PHOTO DETECTOR DEVICE AND INFLUENCE OF VISCOUS DEFORMATION AT THE CONTACT POINT INORGANIC CERAMIC PAPER, ITS METHOD OF MANUFACTURING INTEGRATED Ti-W POLYCIDIC FOR DEEP SUBMICRON PROCESSING INTERMETAL DIELECTRIC STRUCTURE WHICH COMBINES INTERPOLY DIELECTRIC STRUCTURE IN EEPROM DEVICE ION IMPLANTATION BURIED GATE INSULATOR FIELD EFFECT JOINTS IN BONDING OF ELECTRICAL WIRES  
LASER SYNTHESIS OF NANOMETRIC SILICA-BASED POWDERS LEAD-FREE GLASS FRITS FOR CERAMIC ENAMELS

LI-EXCHANGED LOW-SILICA EMT-CONTAINING

LIGHTWEIGHT  $\text{SiO}_2$  BALLS WITH A DENSE OUTER LAYER AND LIQUID CRYSTAL DISPLAY DEVICE HAVING A COMPENSATION LIVING CERAMICS  
LOW TEMPERATURE DEPOSITION OF SILICON OXIDES FOR LOW-COST SILICA TEXTILES FOR GLASS FURNACE INSULATION LOW-FUSING TEMPERATURE PORCELAIN  
LOW-TEMPERATURE PLASMA-ENHANCED CVD OF SILICON OXIDE MAGNETIC COATING AND PROCESS FOR PRODUCING MAGNETIC PARTICLES FOR MAGNETIC RECORDING MEDIUM AND MANMADE VITREOUS FIBRES  
MANUFACTURING METHOD OF ELECTRIC CHARGE TRANSFERRING

76-04955P  
76-08863P  
76-02508P  
76-02546P  
76-01667P  
76-02271P  
76-01669P  
76-06349P  
76-08616P  
76-00717P  
76-06187P  
76-06799A  
76-02048P  
76-07731P  
76-05194P  
76-08974P  
76-02591A  
76-04534P  
76-06158P  
76-08620P  
76-01909C  
76-06386C  
76-08693P  
76-06567P  
76-06569P  
76-01865A  
76-04080A  
76-00222P  
76-00270P  
76-06579P  
76-00759P  
76-05475P  
76-04547P  
76-06390C  
76-06573P  
76-06391C  
76-00552P  
76-06585P  
76-04211P  
76-06194P  
76-06355P  
76-06356P  
76-06587P  
76-04091C  
76-05477P  
76-05522C  
76-06579P  
76-06398C  
76-04431A  
76-06406A  
76-02642A  
76-06573P  
76-02601A  
76-04370C  
76-04559P  
76-06594P  
76-00711P  
76-08825A  
76-09001P  
76-01206C  
76-06325C  
76-00628P  
76-05051A  
76-03806P  
76-07740P  
76-06419C  
76-04564P  
76-00829P  
76-07741P  
76-04566P  
76-09008P  
76-04446A  
76-06573P  
76-04114A  
76-08374A  
76-00225P  
76-06429C  
76-00628P  
76-05116P  
76-05117P  
76-00273P  
76-06430C  
76-00628P  
76-06433A  
76-00311P  
76-05545P  
76-04571P  
76-09014P  
76-06606P  
76-08903A  
76-06608P  
76-00553P  
76-02587P  
76-00229P  
76-01327P  
76-06609P  
76-04455A  
76-06844C  
76-06440C  
76-04573P  
76-05196P  
76-07746P  
76-07746P  
76-01619A  
76-00628P  
76-05550P  
76-07483P  
76-05496P  
76-05551P  
76-00616P  
76-06028P  
76-00230P  
76-05120P  
76-02092P  
76-02093P  
76-06199P  
76-04576P  
76-04134C  
76-09023P  
76-00283A  
76-01697P  
76-09027P  
76-00168P  
76-01040P  
76-06625P  
76-06626P



MASS SPECTROMETRIC IDENTIFICATION OF Si-O-H(g) SPECIES  
MECHANISMS OF PHOTO-BLEACHING OF 5-eV OPTICAL  
MEMBRANE DIELECTRIC ISOLATION IC FABRICATION

MEMBRANE DIELECTRIC ISOLATION TRANSISTOR FABRICATION  
METAL CARBIDE FIBRES  
METAL OXIDE CAPACITOR WITH A WM SUBX ELECTRODE  
METAL-CERAMIC NANOCOMPOSITES BY SOL-GEL PROCESSING OF  
METAL-HALIDE DISCHARGE LAMINAR DISCHARGE  
METHOD AND APPARATUS FOR COATING DIELECTRIC  
METHOD AND APPARATUS FOR MIXING, SPRAYING, AND PLACING  
METHOD AND APPARATUS FOR PREPARING A SILICON OXIDE  
METHOD AND SILICATE COMPOSITION FOR CONDITIONING  
METHOD FOR DETECTING A DEFECT IN A GLASS-CERAMIC  
METHOD FOR FABRICATING POLYSILICON TRANSISTOR HAVING  
METHOD FOR FABRICATING SEMICONDUCTOR DEVICE WITH  
METHOD FOR FABRICATING A THIN-FILM SEMICONDUCTOR  
METHOD FOR FORMATION OF INVISIBLE MARKING AND METHOD  
METHOD FOR FORMING LOW REFRACTIVE INDEX FILM  
METHOD FOR FORMING SILICON OXIDE LAYER  
METHOD FOR MAKING A TANTALUM/SIO<sub>2</sub> INTERFERENCE FILTER

METHOD FOR MANUFACTURING A DIELECTRIC CERAMIC  
METHOD FOR MANUFACTURING SEMICONDUCTOR DEVICE HAVING  
METHOD FOR PREPARING ELONGATED-SHAPED SILICA SOL  
METHOD FOR PREPARING SPHERULAR SILICA GEL PARTICLES  
METHOD FOR PRODUCING GLASS THIN FILM  
METHOD FOR PRODUCING SILICA-ALUMINA FIBRE  
METHOD FOR THE FORMATION OF A SILICA-BASED COATING  
METHOD OF APPLYING CERAMIC COATING COMPOSITIONS TO  
METHOD OF ELIMINATING BURIED CONTACT TRENCH IN SRAM  
METHOD OF FABRICATING FET DEVICE WITH DOUBLE SPACER  
METHOD OF FABRICATING NONLINEAR RESISTOR  
METHOD OF FABRICATING SEMICONDUCTOR DEVICES AND  
METHOD OF FABRICATING SOLID-STATE RADIATION IMAGER  
METHOD OF FABRICATING A TFT-EL PIXEL  
METHOD OF FORMING AN ULTRATHIN DIELECTRIC FILM FOR A  
METHOD OF FORMING A CIRCUIT MEMBRANE WITH A  
METHOD OF FORMING A MICROSTRUCTURE WITH BARE SILICON  
METHOD OF FORMING OXIDE FILM  
METHOD OF GENERATING AN AQUEOUS SUSPENSION OF  
METHOD OF INCREASING INDEX OF REFRACTION OF SILICA  
METHOD OF INCREASING MISTING IN SPRAYABLE DISPERSION  
METHOD OF MAKING  $\alpha$ -ALUMINA-BASED ABRASIVE GRAIN  
METHOD OF MAKING ESSENTIALLY SILICIC ZEOLITE BETA  
METHOD OF MAKING OPTICAL FIBRE WITH LOW MELTING GLASS  
METHOD OF MAKING SELF-ALIGNED HALO PROCESS FOR  
METHOD OF MAKING A TOOTH-SHAPED CAPACITOR  
METHOD OF MAKING A TOOTH-SHAPED CAPACITOR USING ION  
METHOD OF MANUFACTURING A BURIED PLATE TYPE DRAM  
METHOD OF MANUFACTURING A MULTILAYERED CERAMIC CIRCUIT  
METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE

METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE  
METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE HAVING  
METHOD OF OBTAINING HIGH QUALITY SILICON DIOXIDE  
METHOD OF OBTAINING HIGH-QUALITY SILICON DIOXIDE  
METHOD OF TREATING ALUMINA TRIHYDRATE CONTAINING  
METHOD OF TREATING STEEL MILL WASTE  
METHOD OF USING ADDITIVES WITH SILICA-BASED SLURRIES  
MICROMACHINING MINUTE HOLLOW USING NATIVE OXIDE  
MICROPOROUS HIGH STRUCTURE PRECIPITATED SiO<sub>2</sub> AND  
MICROPOROUS SiO<sub>2</sub>/VYCOR MEMBRANES FOR GAS SEPARATION  
MICROWAVE SINTERING OF AMORPHOUS SILICA POWDERS  
MINERAL FIBRES AND THEIR COMPOSITION  
MODIFIED BP-TEOS TUNGSTEN-PLUG CONTACT PROCESS  
MODIFIED SILICON OXIDE BARRIER COATINGS PRODUCED BY  
MOLECULAR PROBES OF PHYSICAL AND CHEMICAL PROPERTIES  
MOLECULAR STATE AND MECHANICAL PROPERTIES OF EPOXY  
MOLD AND A METHOD FOR THE CASTING OF METALS AND  
MOLDING CONTAINING SiO<sub>2</sub> AEROGEL PARTICLES AND THEIR  
MULTILAYER ANTISTATIC/ANTIREFLECTIVE COATING FOR  
MULTILAYER CERAMIC CHIP CAPACITOR  
NEGATIVELY CHARGEABLE ELECTROPHOTOGRAPHIC  
NEW SILICA-BASED INSULATION COATED AS NON-HAZARDOUS  
NEW SYSTEMS RELATED TO C<sub>60</sub> NANOPARTICLES IN SOL-GEL  
NMR CHARACTERISATION OF THE CHEMICAL HOMOGENEITY IN  
NON-DESTRUCTIVE TESTING OF REFRACTORIES  
NON-FIBRIL INORGANIC PARTICLES IN BIONCHOLALVEOLAR  
NONVOLATILE SEMICONDUCTOR MEMORY DEVICE AND ITS  
NUMERICAL SIMULATION OF ULTRAFINE SiO<sub>2</sub> PARTICLE  
OPHTHALMIC GLASS OF HIGH REFRACTIVE INDEX

OPTICAL SWITCH  
ORGANICALLY MODIFIED EU<sub>3</sub>-DOPED SILICA GELS  
ORGANIC-INORGANIC HYBRID DENTAL RESTORATIVE MATERIAL  
PASSIVATION METHOD AND STRUCTURE USING HARD CERAMIC  
PENETRATING SEALANT COMPOSITION  
PHASE-SEPARATED, NONCRYSTALLINE OPAL GLASSES  
PLASMA VITRIFICATION OF WASTE MATERIALS  
POLISHING COMPOSITION  
PORCELAIN COATING COMPOSITIONS FOR LOW EXPANSION  
POROUS CERAMIC MATERIAL  
POROUS MATRIX AND METHOD OF ITS PRODUCTION  
PRECIPITATED SILICA HAVING HIGH SODIUM SULPHATE  
PREFERRED ORIENTATIONS IN THE Ga/SiO<sub>2</sub> INTERFACE  
PREPARATION AND CHARACTERISATION OF PHENOL RESIN  
PREPARATION AND STRUCTURE-SENSITIVE INVESTIGATIONS ON  
PREPARATION, CHARACTERISATION, AND PROPERTIES OF NEW  
PREPARATION OF ALUMINA-SILICA SOL-GEL COMPOSITIONS  
PREPARATION OF ANCHORED CERAMIC COATINGS ON METAL  
PREPARATION OF POLYIMIDE-SILICA HYBRID MATERIALS BY  
PROCEDURE FOR SYNTHESIS OF CRYSTALLINE MICROPOROUS  
PROCESS AND APPARATUS FOR FORMING PERFORATED CERAMIC  
PROCESS AND SINTERING COMPONENTS SO OBTAINED  
PROCESS FOR CONTROLLING INSECT INFESTATIONS IN A  
PROCESS FOR FORMING VERTICAL GAP IN A THIN FILM  
PROCESS FOR MANUFACTURE OF SiO<sub>2</sub> GRANULES  
PROCESS FOR MANUFACTURING A SEMICONDUCTOR SUBSTRATE  
PROCESS FOR PREPARATION OF METAL CARBIDE FIBRE  
PROCESS FOR PREPARING AMORPHOUS, CATALYTICALLY ACTIVE  
PROCESS FOR PREPARING A MULTILAYER WIRING BOARD  
PROCESS FOR PREPARING A SEEDED HIGH-SILICA ZEOLITE  
PROCESS FOR PREPARING SILICA-TITANIA CATALYST  
PROCESS FOR PREPARING UNIFORM MFI-TYPE ZEOLITE  
PROCESS FOR PREPARING A WATER-REPELLENT SiO<sub>2</sub> SOL  
PROCESS FOR PRODUCING SUBSTANTIALLY BINDER-FREE  
PROCESS FOR PRODUCTION OF ALUMINA/ZIRCONIA MATERIALS  
PROCESS FOR PRODUCTION OF ALUMINUM HYDROXIDE FROM DRE  
PROCESS FOR PRODUCTION OF PURE TRANSPARENT QUARTZ  
PROCESS FOR PRODUCTION OF ZEOLITES  
PROCESS FOR SELF-ALIGNED TWIN WELLS WITHOUT N-WELL AND  
PROCESS FOR THE CHEMICAL CLEANING OF METAL COMPONENTS  
PROCESS FOR THE MANUFACTURE OF A SILICA FIBRE-BASED  
PROCESS OF MAKING CHANNEL WAVELENGTH FILTERS  
PROCESS OF MANUFACTURING A VITREOUS SILICA PRODUCT

76-08528A  
76-02611A  
76-03129P  
76-03320P  
76-03130P  
76-09029P  
76-07489P  
76-06458C  
76-01702P  
76-03132P  
76-02477P  
76-06629P  
76-04582P  
76-02588P  
76-07761P  
76-03321P  
76-05561P  
76-02105P  
76-06535P  
76-09037P  
76-09042P  
76-09043P  
76-05499P  
76-00843P  
76-04592P  
76-04593P  
76-07260P  
76-04596P  
76-06823P  
76-06861P  
76-07787P  
76-05574P  
76-06664P  
76-07325A  
76-04602P  
76-02116P  
76-07498P  
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76-09063P  
76-05159P  
76-02117P  
76-06833P  
76-02121P  
76-05199P  
76-04610P  
76-07504P  
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76-01703P  
76-05589P  
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76-07815P  
76-06821P  
76-05593P  
76-09073P  
76-04623P  
76-06869P  
76-09076P  
76-08866P  
76-07207A  
76-08536A  
76-07812P  
76-02133P  
76-09077P  
76-06330C  
76-06858C  
76-05305P  
76-09078P  
76-08629P  
76-07513P  
76-01806P  
76-02910A  
76-06472C  
76-06475C  
76-03585C  
76-02366A  
76-07812P  
76-04143A  
76-00233P  
76-00234P  
76-04215P  
76-06490C  
76-06482C  
76-03338P  
76-01707P  
76-02589P  
76-06711P  
76-04635P  
76-06200P  
76-06714P  
76-06715P  
76-06201P  
76-01848A  
76-01637A  
76-02960A  
76-06493C  
76-04637P  
76-05885A  
76-06498C  
76-09094P  
76-04641P  
76-06833P  
76-07171P  
76-05746P  
76-09099P  
76-07834P  
76-02120P  
76-06729P  
76-04647P  
76-02154P  
76-04648P  
76-09106P  
76-09107P  
76-09113P  
76-02159P  
76-01344P  
76-07263P  
76-06746P  
76-07835P  
76-02539P  
76-02160P  
76-02153P  
76-02164P

PROCESS OF MANUFACTURING VITREOUS SILICA PRODUCT  
PROCESSED SILICA AS A NATURAL POZZOLAN FOR USE AS A  
PROCESSING OF DIATOMITE WITH THE VIEW TO DEVELOPING  
PRODUCTS HAVING MULTIPLE-SUBSTITUTED POLYSILOXANE  
PROPERTIES OF SILICA-FIBRE FORMED FROM ZIRCON  
RADIATION HARDENING OF PURE SILICA CORE OPTICAL FIBRES  
RAMAN SPECTROSCOPY ON SILICA AEROGELS  
REMOTE MICROWAVE PLASMA ENHANCED CHEMICAL VAPOUR  
RIGID SILICA CAPILLARY ASSEMBLY  
ROLE OF N, N, DIMETHYLFORMAMIDE AND GLYCOL IN THE  
ROLLING BEARING  
SEMICONDUCTOR CIRCUIT  
SEMICONDUCTOR DEVICE  
SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE  
SEMICONDUCTOR DEVICE AND PROCESS  
SEMICONDUCTOR DEVICE CAPABLE OF PREVENTING HUMIDITY  
SEMICONDUCTOR DEVICE HAVING FIRST AND SECOND GATE  
SEMICONDUCTOR DEVICE HAVING REDUNDANT CIRCUIT  
SEMICONDUCTOR DEVICE HAVING A VIA HOLE WITH AN ASPECT  
SEMICONDUCTOR DEVICE MANUFACTURING METHOD INCLUDING  
SEMICONDUCTOR MEMORY DEVICE AND FABRICATION PROCESS  
SEMICONDUCTOR NONVOLATILE MEMORY  
SEMICONDUCTOR THIN FILM FORMED ON A SUPPORTING  
SHRINKAGE AND MICROSTRUCTURAL DEVELOPMENT DURING  
SIGMA/SI COMPOSITE DENSIFIED MATERIALS PREPARED USING  
SILICA ABRASIVE DENTRIFIC OF REDUCED STRINGINESS AND  
SILICA GEL, TENAX, AND CARBON MEDIA ADSORPTION TUBE  
SILICA LIGHTGUIDE FOR UV APPLICATIONS  
SILICA NANOPARTICLES  
SILICA PARTICULATES  
SILICA SOLS AND USE OF THE SOLS  
SILICA-BASED BINDER  
SILICA-BASED MESOPOROUS MOLECULAR SIEVES DERIVED FROM  
SILICA-BASED THERMAL PROTECTION FABRICS APPROVED FOR  
SILICAS  
SILICON CARBIDE BIPOLAR SEMICONDUCTOR DEVICE WITH  
SILICON INTEGRATED CIRCUIT WITH PASSIVE DEVICES OVER  
SILICON NANOSTRUCTURE LIGHT-EMITTING DIODE  
SILICONE OIL-SILICA FILLER PASTE USEFUL IN LIQUID  
SILVER HALIDE-CONTAINING PHOTOCROMIC POWDERS OF SiO<sub>2</sub>  
SINGLE MODE OPTICAL TRANSMISSION FIBRE, AND METHOD OF  
SINGLE-LAYER HIGH-TEMPERATURE COATING ON A CERAMIC  
SINTERING OF COLLOIDAL PARTICLES IN SILICA GEL  
SiO<sub>2</sub> SOLS IN PAPERMAKING  
SIX-COORDINATED SILICON IN SiO<sub>2</sub>-P2O<sub>5</sub>-SiO<sub>2</sub> GLASSES  
SKELETAL ISOMERISATION PROCESS FOR OLIFINS USING AN  
SOL-GEL PROCESS OF NON-LINEAR OPTICAL SILICA FILMS  
SOL PROCESSING  
SOL-GEL SYNTHESIS OF COLLOIDAL SILICA USING  
SOL-GEL SYNTHESIS OF HIGH-SILICA MATERIALS FROM  
SORBENT PRECIPITATED SILICA PARTICULATES  
SPATIAL LIGHT MODULATOR HAVING A GERMANIUM OXIDE LIGHT  
SYSTEM FOR PRODUCING CEMENTITIOUS MATERIALS  
SPECTROSCOPIC STUDIES OF Cr-DOPED SILICA GELS  
STABILITY OF HYDROXYL AND METHOXY SURFACE GROUPS ON  
STRUCTURE AND DYNAMICS OF HYDROGENATED SILICA XEROGEL  
STRUCTURED PIGMENT COMPOSITIONS, METHOD FOR  
STUDY ON MINERALOGICAL AND PHYSICAL CHANGES IN USED  
STUDY ON VARIOUS TYPES OF ULTRAFINE POWDER USED IN  
SUBSTITUTED SILICA SOL  
SUBSTRATE CONFIGURATION FOR CATALYTIC COMBUSTION  
SUPERFINE MICROELEMENTAL BIOCHEMICAL MIXTURE AND  
SUPPRESSION OF LEAD FROM OVERGLAZE DECORATION  
SURFACE PROPERTIES OF HYDRATED LIME-SILICA FUME PASTES  
SURFACE REFLECTING MIRROR HAVING A SURFACE REFLECTING  
SYNTHESIS OF TETRAMETHYLAMMONIUM ALUMINOSILICATE AND  
SYNTHETIC SILICA GLASS POWDER  
SYSTEM FOR PRODUCING CEMENTITIOUS MATERIALS FROM  
TAILORING OF THERMOMECHANICAL PROPERTIES OF  
TAILORING THE MICROSTRUCTURE OF POLYIMIDE-SILICA  
TANTALUM-SILICA INTERFERENCE FILTERS AND LAMPS USING  
TECHNIQUES FOR IMPROVING ADHESION OF SILICA DIOXIDE  
TEM CHARACTERISATION OF METALLIC NANOPARTICLES  
TEMPERATURE-PROGRAMMED DESORPTION VS N<sub>2</sub> DESORPTION IN  
TEXTILE SILICA SLIVER, ITS MANUFACTURE, AND USE  
THERMOSTABLE AND BIOLOGICALLY SOLUBLE MINERAL FIBRE  
THIN-FILM CAPACITORS ON GALLIUM ARSENIDE SUBSTRATE AND  
THIN-FILM DEPOSITION OF OPTICAL NONLINEAR FILMS  
THREE-DIMENSIONAL NETWORK STRUCTURE COMPRISING  
THREE-DIMENSIONAL SEMICONDUCTOR CIRCUIT STRUCTURE WITH  
TITANIA AND SILICA POWDERS PRODUCED IN A COUNTERFLOW  
TRANSITION METAL-CONTAINING HYDROPHOBIC SILICA  
TRANSPARENT, ELECTROACTIVE SUBSTRATE AND METHOD  
TREATING PROCESS FOR PRECIPITATED SILICA FILLERS  
ULTRATHIN SILICON OXIDE AND METAL OXIDE FILMS AND A  
ULTRAVIOLET RAY ABSORBENT COLOURED GLASS  
UNISINTERED PERFORATED CERAMIC FILM PLATES USEFUL AS  
USE OF AN ORGANOSILANE COUPLING AGENT IN COLLOIDAL  
USE OF FUNCTIONALIZED POLYBENZOXAZOLES AND  
VARIATION OF THE SHAPE AND MORPHOLOGICAL PROPERTIES OF  
WASHING PROCESS AND COMPOSITION  
WATERPROOFING COMPOSITION  
WEAR-LENGTH UP-CONVERSION TRANSPARENT GLASS-CERAMICS  
WEAR-RESISTANT FILM  
WET CLEAN FOR A SURFACE HAVING AN EXPOSED  
ZEOLITE L PREPARATION

## SILICA FUME

CEMENT ADMIXTURE  
DRYING SHRINKAGE CEMENT ADMIXTURE  
HYDRAULIC SUBSTANCE WITH WATER STABLE PARTICLE COATING  
SILICA GEL  
APATITE FORMATION ON VARIOUS SILICA GELS IN A  
CHARGE TRANSFER TRANSITIONS OF COPPER(II) IN DRYING  
COMPARISON OF NITROGEN ADSORPTION AND  
DENSE OUTER LAYERS FORMED BY PLASMA TREATMENTS OF  
EFFECTIVE OPTICAL CONSTANTS  $n$  AND  $k$  AND EXTINCTION  
LOW PRESSURE SYNTHESIS OF SILICA AEROGELS BY  
MICROSTRUCTURAL CHARACTERISATION OF SILICA AEROGELS  
MODIFIED CARBON NANOTUBES AND THE TEXTURE CHANGES  
OPTICAL PROPERTIES OF CHLOROPHYLL-DOPED SILICA GELS  
PATTERN FORMATION IN ELECTROHYDROLOGICAL FLUIDS: THE  
PREPARATION OF SILICA FROM RICE HUSKS  
PREPARATION OF SILICA MONOLITHS BY AMMONIOLYSIS OF  
PROCESSES AND APPARATUS FOR RAPIDLY DRYING A WET POROUS  
ROLE OF N, N, DIMETHYLFORMAMIDE AND GLYCOL IN THE  
SINTERING OF COLLOIDAL PARTICLES IN SILICA GEL  
SINTERING OF SILICA GEL POWDER FOR VITREOUS COMPOUND  
SOL-GEL SYNTHESIS OF HIGH-SILICA MATERIALS FROM  
STUDY OF THE PYROLYSIS BEHAVIOUR OF SILICA SOL  
SUBCRITICAL DRYING OF SILICA GELS  
SYNTHESIS AND CHARACTERISATION OF INORGANIC GELS IN A  
SYNTHESIS IN SITU OF 2,2-DIPYRIDYL-Tb(III) COMPLEXES  
TEMPORARY OPAFICATION OF GEL BODY DURING DRYING IN  
THE PRESENCE OF A BENZYL FROM TEOS  
THERMAL DECOMPOSITION OF

76-02165P  
76-00074P  
76-01989C  
76-06760P  
76-04360P  
76-04367A  
76-01279C  
76-01713P  
76-03768A  
76-04663P  
76-03344P  
76-05608P  
76-04396A  
76-05610P  
76-05611P  
76-03346P  
76-03347P  
76-03348P  
76-05617P  
76-05620P  
76-03350P  
76-07862P  
76-06806C  
76-09127P  
76-06202P  
76-04219P  
76-06203P  
76-06834P  
76-08444P  
76-06764P  
76-06765P  
76-06165A  
76-06835P  
76-06766P  
76-05623P  
76-07793P  
76-04398A  
76-02173P  
76-06516A  
76-04669P  
76-06770P  
76-02948C  
76-06834P  
76-02571A  
76-02175P  
76-01290A  
76-06834P  
76-03779A  
76-08416A  
76-06368P  
76-08635P  
76-02484P  
76-08790A  
76-08955A  
76-08956A  
76-01717P  
76-02948C  
76-04030C  
76-06778P  
76-01718P  
76-06205P  
76-07396P  
76-00067A  
76-02694P  
76-04677P  
76-05202P  
76-02484P  
76-06342C  
76-06808C  
76-02185P  
76-05099P  
76-06834P  
76-06177A  
76-02186P  
76-04222P  
76-05518P  
76-06834P  
76-09138P  
76-06531P  
76-06432A  
76-04681P  
76-06834P  
76-02189P  
76-09141P  
76-00236P  
76-04688P  
76-06541C  
76-06542C  
76-06789P  
76-06839P  
76-06839P  
76-00237P  
76-04691P  
76-09143P  
76-06793P

## SILICATE

X-RAY DIFFRACTION AND EXAFS STUDIES OF SILICATE SILICATES

ABSORPTION REFRIGERATION SYSTEM WORKING FLUID WITH ALKALI-ZINC-SILICATE GLASS-CERAMICS AND GLASSES  
ALL-RUSSIA CONFERENCE OF SILICATE SPECIALISTS  
ARTIFICIAL TOOTH  
BIOACTIVITY OF SOL-GEL DERIVED ORGANICALLY MODIFIED CERAMIC DIELECTRIC COMPOSITIONS  
CESIUM TITANIUM SILICATE AND METHOD OF MAKING  
CHEMISTRY OF SILICATES - SOL-GEL PROCESS FROM THE COATING COMPOSITIONS FOR THE INNER WALL OF CATHODE-RAY COMPOSITIONS AND METHODS FOR WASTE TREATMENT  
COMPUTER SIMULATION OF THE ELECTRICAL CONDUCTIVITY OF CRYSTALLINE HYDRATED LAYERED SODIUM AND POTASSIUM CRYSTALLINE SILICATE COMPOSITIONS AND METHOD OF EFFECTS OF TEMPERATURE ON PROPERTIES OF ORMOSILS  
FIBRE-REINFORCED COMPOSITE WITH SHEET SILICATE  
FORMATION OF A SILICATE LAYER BETWEEN LEAD OXIDE AND A FT-IR AND XRD CHARACTERISATION OF PHASE TRANSFORMATION  
HIGH MICROPORE VOLUME LOW-SILICA EMT-CONTAINING  
HIGH MICROPORE VOLUME LOW-SILICA EMT-CONTAINING HYBRID STYRYL-BASED POLYMERAL OLIGOMERIC INTUMESCENT COMPOSITIONS  
IONIC EXCHANGES, FIBRE REACTIONS OF SILICATED LEAD- AND CADMIUM-FREE GLASS COMPOSITION FOR GLAZING  
Li-EXCHANGED LOW-SILICA EMT-CONTAINING

LUSTER PIGMENTS BASED ON MULTIPLY COATED PLATELIKE MAGNETO-OPTICAL RECORDING MEDIUM AND METHOD FOR METHOD AND SILICATE COMPOSITION FOR CONDITIONING METHOD FOR FORMING FLUORINE-DOPED GLASS HAVING LOW METHOD FOR LEACHING MATERIAL CONTAINING ZINC OXIDE AND METHOD FOR OPTIMISING THERMAL BUDGETS IN FABRICATING METHOD FOR THE PREPARATION OF ORGANIC SOLVENT-SOLUBLE METHOD OF CONVERTING ABSORPTION INTO A HARMLESS METHOD OF FORMING A TITANIUM SILICIDE FILM INVOLVED IN METHOD OF MAKING MOISTURE-RESISTANT ALUMINIUM NITRIDE MODEL FOR CRYSTALLINE SWELLING OF 2:1 PHYLLOSILICATES  
MOISTURE-RESISTANT CERAMIC IGNITER FOR A BURNER  
NMR CHARACTERISATION OF HYBRID SYSTEMS BASED ON ORGANICALLY MODIFIED SILICATE AEROGELS, AEROMOSILS PENETRATING SEALANT COMPOSITION  
PERFLUOROARYL SUBSTITUTED INORGANIC-ORGANIC HYBRID PHOSPHOR MATERIAL BASED ON MANGANESE-DOPED ZINC PRECERAMIC POLYMER APPLICATIONS - PROCESSING AND PROCESS FOR PRODUCING SHAPED BODIES HAVING THERMALLY PROCESSING METHYL-MODIFIED SILICATE MATERIALS FOR SILICATE CLAY PLATELET DISPERSION IN A POLYMER MATRIX  
SOLUBLE SILICATE GLASS FORMS AND METHOD OF STRUCTURE OF TITANIUM SILICATE GLASSES INVESTIGATED BY STUDY OF THE MOBILITY OF POLY(METHYL  
SYNTHESIS OF BIOACTIVE ORMOSILS BY THE SOL-GEL METHOD  
SYNTHESIS OF ORDERED SILICATES BY THE USE OF ORGANIC TETRAETHYL ORTHOSILICATE-BASED GLASS COMPOSITION AND THERMALLY SPLIT ZIRCONIUM SILICATE, METHOD OF ITS TWO-PHASE DENTAL PORCELAIN COMPOSITION

## SILICIDES

COMPOSITE SILICIDE/SILICON CARBIDE MECHANICAL ALLOY ELECTRODE STRUCTURE AND METHOD FOR FABRICATING THE INTEGRATED CIRCUIT FABRICATION USING A METAL SILICIDE INTEGRATED Ti-W POLYCIDIC FOR DEEP SUBMICRON PROCESSING METHOD FOR DEPOSITING A TITANIUM OR TANTALUM NITRIDE METHOD FOR FABRICATING MOS TRANSISTOR HAVING METHOD FOR MAKING REFRACTORY METAL SILICIDE ELECTRODE METHOD FOR FABRICATING BICMOS DEVICE  
METHOD OF FORMING A POLYSILICON RESISTOR USING AN METHOD OF MAKING AN ANTIFUSE CELL WITH TUNGSTEN METHOD OF MAKING SEMICONDUCTOR DEVICE WITH METAL MULTILAYER GATE STRUCTURE  
OXIDE-COATED SILICON CARBIDE MATERIAL AND METHOD OF POSTION CHARACTERISATION OF DEFECTS FORMED DURING PREVENTION OF FLUORINE-INDUCED GATE OXIDE DEGRADATION PROCESS OF MANUFACTURING A SEMICONDUCTOR DEVICE SEMICONDUCTOR DEVICE HAVING METAL SILICIDE FILM ON SEMICONDUCTOR PROCESSING METHODS OF FORMING FIELD

## SILICON

ALUMINIUM GALLIUM NITRIDE BASED HETEROJUNCTION BIPOLAR ALUMINIUM OXIDE LPCVD SYSTEM  
ALUMINIUM OXIDE LPCVD SYSTEM  
ANISOTROPY IN HYBRID MATERIALS: AN ALTERNATIVE TOOL ARTICLES HAVING DIAMONDLIKE PROTECTIVE THIN FILM AUTODOPING PREVENTION AND OXIDE LAYER FORMATION BEARING ASSEMBLY  
BONDED WAFER PROCESSING WITH METAL SILICIDATION CCD SOLID STATE IMAGE DEVICE WHICH HAS A SEMICONDUCTOR CERAMIC ELECTROSTATIC CHUCK WITH BUILT-IN HEATER CERAMIC MATRIX COMPOSITES USING STRENGTHENING AGENTS CERAMIC PROBE CARD AND METHOD FOR REDUCING LEAKAGE COLOUR DISPLAY/DETECTOR  
COMPARISON BETWEEN THE CRYOGENIC BEHAVIOUR OF DEEP COMPLEMENTARY MIS SEMICONDUCTOR DEVICE OF DUAL GATE COMPOUNDS AND COMPOSITIONS FOR COATING GLASS WITH COOLED LASER MIRROR MATERIALS  
CORRELATION OF PHOTOLUMINESCENCE SPECTRA AND STRUCTURE CRYSTALLOGRAPHICALLY ORIENTED GROWTH OF SILICON OVER A CVD DIAMOND GROWTH ON POROUS Si  
DEVICE ISOLATION TECHNOLOGY BY LIQUID PHASE DEPOSITION DEVICE QUALITY HYDROGENATED AMORPHOUS SILICON FILMS DIE SEPARATION METHOD FOR SILICON-ON-DIAMOND CIRCUIT DIELECTRIC-POLYSILICON-DIELECTRIC ANTIFUSE FOR FIELD  
DIFFUSION BONDING OF NON-OXIDE CERAMICS TO TRANSITION DIGITAL LOGIC OUTPUT BUFFER INTERFACE FOR DIFFERENT DRAM CELL WITH A COMB-TYPE CAPACITOR  
DRAM STACK CAPACITOR WITH LADDER STORAGE NODE DRY SILICON ETCHING FOR MEMS  
DUAL POLY-GATE DEEP SUBMICRON CMOS WITH BURIED CONTACT EFFECT OF CHARACTERISTICS OF COMPRESSIVE DEFORMATION ELECTRICALLY PROGRAMMABLE ANTIFUSE INCORPORATING ELECTROLUMINESCENT MATERIAL, SOLID-STATE  
ELECTRON TRANSPORT PROPERTIES OF QUANTIZED SILICON ELECTRON-PHONON SCATTERING IN Si-DOPED GaN  
ELECTROPHOTOGRAPHIC METHOD USING AMORPHOUS SILICON EPITAXY OF HIGH TC SUPERCONDUCTORS ON SILICON  
EPROM CELL WITH A READILY SCALABLE INTERPOLY  
ESD PROTECTION DEVICE FOR ANTIFUSES WITH TOP EVALUATION OF DEEP ETCHING TECHNIQUES FOR SILICON  
FET DEVICE WITH DOUBLE SPACER  
FORMATION OF NANODISPERSIBLE Si-C-N-COMPOSITE POWDERS FORMATION OF POLYSILICON RESISTORS IN THE TUNGSTEN FORMATION OF SiO<sub>2</sub> DURING THE DIRECT NITRIDATION OF Si  
FREEZE-OUT EFFECTS ON THE CHARACTERISTICS OF DEEP GRADED-MOTOR MOTOR FOR VEHICLES  
GRADED-GAP PROCESS FOR GROWING AN SiC/Si

76-02579A

76-02037P

76-05153P

76-02978A

76-01667P

76-06813A

76-00754P

76-04539P

76-01174A

76-04208P

76-08623P

76-08808A

76-08989P

76-08990P

76-08835C

76-09005P

76-08901A

76-03960A

76-04570P

76-04571P

76-06439C

76-01696P

76-04734A

76-00846P

76-04586P

76-07781P

76-02111P

76-05040P

76-00846P

76-06676P

76-04378A

76-01704P

76-06474C

76-06481C

76-01707P

76-06483C

76-09082P

76-06487C

76-06158P

76-06804C

76-06515C

76-07265P

76-02574A

76-06232C

76-08526C

76-06532C

76-05203P

76-06783P

76-08637P

76-06575P

76-03308P

76-00836P

76-05550P

76-06322P

76-05559P

76-07771P

76-07789P

76-07502P

76-08754P

76-05587P

76-06689P

76-02139P

76-03272A

76-09093P

76-07836P

76-07848P

76-07860P

76-05531P

76-08871P

76-02042P

76-06377C

76-02048P

76-07729P

76-01752P

76-00752P

76-04306P

76-08747P

76-04847P

76-01678P

76-03304P

76-03160C

76-05534P

76-05579P

76-03305P

76-03166A

76-02069P

76-04424A

76-02072P

76-03172A

76-02076P

76-03123P

76-07479P

76-01188C

76-05540P

76-00768P

76-05483P

76-06399C

76-07738P

76-01198A

76-01798P

76-09001P

76-03189A

76-07578C

76-01797P

76-03631P

76-05489P

76-04563P

76-06414C

76-07740P

76-08372A

76-03127P

76-04253A

76-03196C

76-01800P

76-09010P

GROWTH OF POLYCRYSTALLINE SILICON FILMS ON GLASS BY HEMISPHERICAL GRAINED SILICON ON REFRACTORY METAL HETEROEPITAXIAL LAYER OVERGROWTH OF GaP ON STRUCTURED HETEROJUNCTION TYPE BIPOLAR TRANSISTOR  
HIGH-TEMPERATURE PHOSPHORUS OXIDE DIFFUSION SOURCE HYBRID OF LOCAL OXIDATION OF SILICON ISOLATION AND HYDROGEN-IMPLANTATION-INDUCED ACTIVATION IN IDENTIFICATION OF DISLOCATIONS IN n-TYPE IMPACT IONIZATION RELATED PHENOMENA IN Si MOSFETs IN SITU REFLECTION HIGH-ENERGY ELECTRON DIFFRACTION INFLUENCE OF HYDROGEN ADDITION ON THE CHEMICAL INFLUENCE OF PRESSURE ON THE OPTICAL PROPERTIES OF INTEGRATED CIRCUIT FABRICATION WITH INTERLEVEL INTEGRATED Ti-W POLYCIDIC FOR DEEP SUBMICRON PROCESSING INTERFACE COATING FOR CERAMIC FIBRES  
INVESTIGATION OF RECOMBINATION PARAMETERS IN SILICON INVESTIGATION OF THE DISSOLUTION OF METALLIC SILICON ION BEAM ANALYSIS OF FLOAT GLASS SURFACE COMPOSITION ION IRRADIATION OF PRECERAMIC POLYMER THIN FILMS ISOELECTRONIC HYDROGEN-RELAXING SILICON GERMANIUM ALLOY LAYERED POLYSILICON DEPOSITION METHOD  
LIGHT-EMITTING SEMICONDUCTOR DEVICE USING GROUP III LOCOS METHOD WITH DOUBLE POLYSILICON/SiO<sub>2</sub> SPACER LOCOS TECHNOLOGY WITH REDUCED JUNCTION LEAKAGE LOW DEFECT DENSITY AMORPHOUS SILICON GERMANIUM ALLOY LOW-TEMPERATURE DEPOSITION AND CHARACTERISATION OF LOW-TEMPERATURE INTERFACE MODIFICATION BY HYDROCARBON LOW-TEMPERATURE P2O<sub>4</sub> OXIDE DIFFUSION SOURCE MAGNETIC RECORDING MEDIUM COMPRISING A CARBON MANUFACTURING METHOD OF ELECTRIC CHARGE TRANSFERRING MECHANISM FOR REACTIVE DIFFUSION BETWEEN Si SINGLE MECHANISM OF SILICON AND SILICON CARBIDE MAKING METAL CARBIDE FIBRES  
METHOD AND APPARATUS FOR DEPOSITION OF DIAMONDLIKE METHOD AND APPARATUS FOR DEPOSITING SILICON WAFERS USING A METHOD AND LIQUID COATING COMPOSITION FOR THE METHOD FABRICATING AN INTEGRATED CIRCUIT METHOD FOR CONTINUOUS SPINNING AND PYROLYSIS OF METHOD FOR ETCHING BORON NITRIDE METHOD FOR FABRICATING ACTIVE DEVICES ON A THIN METHOD FOR FABRICATING COMPLEMENTARY VERTICAL BIPOLAR METHOD FOR FABRICATING A DUAL-GATE DIELECTRIC MODULE METHOD FOR FABRICATING A PLANAR FIELD OXIDE REGION METHOD FOR FABRICATING A POLYSILICON TRANSISTOR HAVING METHOD FOR FABRICATING SEMICONDUCTOR DEVICE WITH METHOD FOR FABRICATING A SEMICONDUCTOR DEVICE WITH METHOD FOR FABRICATING A NONSYMMETRICAL TRANSISTOR METHOD FOR FORMING AN IMPROVED FIELD ISOLATION METHOD FOR FORMING FIELD OXIDE OR OTHER INSULATORS METHOD FOR FORMING A PLANAR FIELD OXIDE (FOX) ON METHOD FOR FORMING A SEMICONDUCTOR DEVICE ELECTRODE METHOD FOR FORMING TRENCH-ISOLATED FET DEVICES METHOD FOR ISOLATING SEMICONDUCTOR ELEMENTS METHOD FOR LOCAL OXIDATION OF SILICON (LOCOS) FIELD METHOD FOR LOW TEMPERATURE PRECONFACTION OF GLASS METHOD FOR MAKING AN EPROM WITH THERMAL OXIDE METHOD FOR MAKING CIRCULAR TUBULAR CHANNELS WITH TWO METHOD FOR MAKING DUAL GATE INSULATING FILM WITHOUT METHOD FOR MAKING DYNAMIC RANDOM ACCESS MEMORY WITH METHOD FOR MAKING A METAL-TO-METAL CAPACITOR METHOD FOR MANUFACTURING BICMOS DEVICE  
METHOD FOR MANUFACTURING A LOW-VOLTAGE DRIVEN FIELD METHOD FOR MANUFACTURING SEMICONDUCTOR DEVICE METHOD FOR MANUFACTURING SEMICONDUCTOR DEVICE HAVING METHOD FOR MANUFACTURING ULTRAHIGH SPEED BIPOLAR METHOD FOR THE PREPARATION OF SILICON SINGLE CRYSTAL METHOD OF DEPOSITING THIN NITRIDE LAYER ON GATE OXIDE METHOD OF ELIMINATING BURIED CONTACT TRENCH IN SRAM METHOD OF FABRICATING AN ISOLATION TRENCH FOR ANALOG METHOD OF FABRICATING FET DEVICE WITH DOUBLE SPACER METHOD OF FABRICATING HIGH-THRESHOLD METAL OXIDE METHOD OF FABRICATING A SEMICONDUCTOR DEVICE METHOD OF FABRICATING A SEMICONDUCTOR INTEGRATED METHOD OF FABRICATING A TFT-LCD PIXEL METHOD OF FABRICATING A THIN-FILM TRANSISTOR METHOD OF FABRICATING A TOOTH-SHAPED CAPACITOR NODE METHOD OF FABRICATING A TOOTH-SHAPED INTEGRATED INTERF METHOD OF FABRICATING GLASS DIAPHRAGM ON SILICON METHOD OF FORMING AN MOS-TYPE INTEGRATED CIRCUIT METHOD OF FORMING AN ULTRATHIN DIELECTRIC FILM FOR A METHOD OF FORMING A CIRCUIT MEMBRANE WITH A METHOD OF FORMING A COLOCATED TOP OXIDES USING METHOD OF FORMING A FIELD EFFECT TRANSISTOR METHOD OF FORMING A FIELD OXIDE FILM IN A METHOD OF FORMING GATE OXIDE FOR FIELD EFFECT METHOD OF FORMING A MICROSTRUCTURE WITH BARE SILICON METHOD OF FORMING MOSFET WITH BURIED BARRIER LINE METHOD OF FORMING A POLYSILICON RESISTOR USING AN METHOD OF FORMING SELF-ALIGNED TWIN TUB CMOS DEVICES METHOD OF FORMING SILICON/SILICON-GERMANIUM METHOD OF MAKING AN ANTIFUSE CELL WITH TUNGSTEN METHOD OF MAKING A FET WITH DIELECTRICALLY ISOLATED METHOD OF MAKING A FIELD EFFECT TRANSISTOR HAVING AN METHOD OF MAKING METAL OXIDE SEMICONDUCTOR TRANSISTORS METHOD OF MAKING MOS TRANSISTOR WITH CONTROLLED METHOD OF MAKING POLY LDD SELF-ALIGNED CHANNEL METHOD OF MAKING A SEMICONDUCTOR DEVICE HAVING METHOD OF MAKING A SEMICONDUCTOR DEVICE HAVING A METHOD OF MAKING SEMICONDUCTOR DEVICE HAVING SIMOX METHOD OF MAKING SEMICONDUCTOR DEVICE HAVING THIN FILM METHOD OF MAKING SEMICONDUCTOR DEVICE WITH MULTIPLE METHOD OF MAKING A TOOTH-SHAPED CAPACITOR METHOD OF MAKING A TOOTH-SHAPED CAPACITOR USING ION METHOD OF MANUFACTURE OF PULL DOWN TRANSISTOR WITH METHOD OF MANUFACTURING AN MOS TRANSISTOR METHOD OF MANUFACTURING A BURIED PLATE TYPE DRAM METHOD OF MANUFACTURING CONTACT STRUCTURE USING METHOD OF MANUFACTURING FET SEMICONDUCTOR DEVICES WITH METHOD OF MANUFACTURING FIELD EFFECT TRANSISTOR METHOD OF MANUFACTURING HIGH-PERFORMANCE BIPOLAR METHOD OF MANUFACTURING NONVOLATILE SEMICONDUCTOR METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE HAVING METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE

METHOD OF MANUFACTURING THIN FILM TRANSISTOR HAVING A METHOD TO FORM A CAPACITOR HAVING MULTIPLE PILLARS FOR MICROSTRUCTURED SILICON CO GAS SENSORS MICROSTRUCTURING MINUTE HOLLOW USING NATIVE OXIDE MICROSTRUCTURAL ANALYSIS OF ORIENTATION VARIATION IN MULTIPLE-SENSOR SILICON CHIP FOR INTELLIGENT AND MULTISTEP CHEMICAL VAPOR DEPOSITION METHOD FOR NEGATIVELY CHARGEABLE ELECTROPHOTOGRAPHIC N-MOS TRANSISTOR AS A LOW-TEMPERATURE THERMOMETER NON-DESTRUCTIVE TECHNIQUES APPLIED TO THE DETECTION OF

76-03201A

76-06600P

76-03204C

76-00833P

76-06796P

76-07745P

76-03212A

76-03213A

76-03217C

76-07607C

76-07608C

76-03226A

76-00778P

76-05550P

76-04574P

76-03230A

76-02556A

76-07073A

76-01959A

76-03234A

76-07732P

76-07753P

76-07754P

76-09021P

76-03236A

76-07623C

76-03239A

76-09025P

76-01041P

76-06626P

76-03240A

76-05275A

76-09029P

76-09031P

76-02101P

76-06630P

76-00839P

76-02103P

76-01334P

76-05556P

76-05563P

76-07763P

76-09036P

76-05563P

76-00841P

76-05563P

76-07768P

76-00842P

76-07770P

76-02680P

76-04587P

76-04588P

76-07495P

76-03133P

76-03134P

76-07772P

76-07775P

76-05569P

76-00843P

76-07780P

76-06660P

76-07786P

76-07787P

76-02115P

76-05574P

76-07787P

76-03226P

76-02116P

76-03327P

76-07497P

76-07789P

76-04603P

76-07794P

76-07498P

76-05501P

76-09069P

76-05579P

76-00846P

76-07795P

76-00782P

76-05505P

76-07502P

76-03329P

76-06668P

76-08754P

76-07799P

76-05584P

76-00850P

76-07805P

76-03330P

76-03331P

76-05585P

76-07807P

76-07808P

76-03332P

76-07504P

76-05588P

76-07505P

76-05588P

76-07809P

76-05505P

76-09068P

76-07797P

NONVOLATILE SEMICONDUCTOR MEMORY DEVICE AND METHOD OF NOVEL CARBOXY FUNCTIONALIZED SOL-GEL PRECURSORS  
OPERATION OF SILICON-GERMANIUM CMOS ON SAPPHIRE  
OPTOELECTRONIC PROPERTIES OF AS-DEPOSITED AND ANNEALED OXYNITRIDE GLASS, METHOD OF PREPARING THE SAME AND PASSIVE-OXIDATION KINETICS OF HIGH-PURITY SILICON  
PERSISTENT PHOTOCONDUCTIVITY IN *n*-TYPE GaN  
PHOTOACOUSTIC EFFECT IN POROUS SILICON: PECULIARITIES  
PHOTOELECTROCHEMICAL FORMATION OF LUMINESCENT POROUS PHOTOLUMINESCENCE IN POROUS SPUTTERED POLYSILICON  
PHOTOLUMINESCENCE INVESTIGATION OF Si AS *p*-TYPE DOPANT  
PHOTOVOLTAIC CHARGE MEASUREMENT PROBE TECHNIQUE  
PIEZOELECTRIC LEAD ZIRCONIUM TITANATE DEVICE AND PIEZOELECTRIC SOUNDER  
PLASMA ETCH PROCESS AND TiSi<sub>2</sub> SUBSTRATE LAYERS MADE USING PLASMA ETCHING OF SEMICONDUCTORS  
POLYCRYSTALLINE SILICON PHOTOELECTRIC CONVERSION  
POST-GATE LOCOS  
PROBING METHOD AND DEVICE  
PROCESS FOR FABRICATING A CUP-SHAPED DRAM CAPACITOR  
PROCESS FOR FABRICATING DUAL-GATE CMOS HAVING IN SITU PROCESS FOR FABRICATING A HIGH VOLTAGE MOS TRANSISTOR  
PROCESS FOR FABRICATING METAL-OXIDE SEMICONDUCTOR  
PROCESS FOR FORMING FIELD ISOLATION AND A STRUCTURE  
PROCESS FOR FORMING INTEGRATED CAPACITORS  
PROCESS FOR OBTAINING ZEOLITES CONTAINING TITANIUM  
PROCESS FOR PREPARATION OF METAL CARBIDE FIBRES  
PROCESS FOR PRODUCING A GLASS-COATED ARTICLE  
PROCESS FOR PRODUCING SANDWICH STRUCTURES FROM  
PROCESS FOR SEALING APERTURES IN GLASS-SILICON-GLASS  
PROCESS FOR THE PRODUCTION OF PRECERAMIC  
PROCESSES OF FABRICATING SEMICONDUCTOR DEVICE HAVING PRODUCTS HAVING MULTIPLE-SUBSTITUTED POLYSILOXANE  
RAMAN ANALYSIS OF ELECTRON-PHONON INTERACTIONS IN GaN  
RECESSED SIDEWALL-SEALED AND SANDWICHED POLYBUTTERED SELECTIVE ETCHING PROCESS  
SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SEMICONDUCTOR DEVICE HAVING AN ELECTRICALLY CONDUCTIVE SEMICONDUCTOR DEVICE HAVING FIRST AND SECOND GATE  
SEMICONDUCTOR DEVICE HAVING A GATE ELECTRODE HAVING A SEMICONDUCTOR DEVICE INCORPORATING A CONTACT FOR SEMICONDUCTOR DEVICE MANUFACTURING METHOD INCLUDING SEMICONDUCTOR DEVICE WITH RAD ELECTRODE  
SEMICONDUCTOR NONVOLATILE MEMORY  
SEMICONDUCTOR PROCESSING METHODS OF FORMING STACKED SEMICONDUCTOR THIN FILM FORMED ON A SUPPORTING SILICON CARBIDE FILMS FROM GEL SPINNING  
SILICON ETCHING METHOD  
SILICON INTEGRATED CIRCUIT WITH PASSIVE DEVICES OVER SILICON NANOSTRUCTURE LIGHT-EMITTING DIODE  
SILICON-BASED SLEEVE DEVICES FOR CHEMICAL REACTIONS  
SILICON-ON-DIAMOND CIRCUIT STRUCTURE  
SINTERED ALUMINUM NITRIDE AND CIRCUIT SUBSTRATE USING SOL-COORDINATED SILICON IN SiO<sub>2</sub>-P2O<sub>5</sub>-SiO<sub>2</sub> GLASSES  
SOL-GEL KINETICS FOR THE PREPARATION OF SPACER-TYPE THIN-FILM POLYSILICON TRANSISTOR FOR STM OBSERVATION OF NITRIDED-Ga ON Si  
STORAGE CAPACITOR STRUCTURES USING CVD TIN ON STRUCTURE OF A HIGH VOLTAGE TRANSISTOR IN A STUDIES OF GROUP III NITRIDE GROWTH ON SILICON  
SUBMICRON BONDED SOI BY TRENCH PLANARIZATION  
SUPER SELF-ALIGN PROCESS FOR FABRICATING SUBMICRON SURFACE BREAKDOWN REDUCTION BY COUNTER-DOPED ISLAND IN THERMAL STABILITY OF SiC-BASED HYBRID MATERIALS  
TITANIUM MATRIX COMPOSITES  
TRANSIENT CAPACITANCE-VOLTAGE METHOD FOR TRENCH MOS-GATED DEVICE WITH A MINIMUM NUMBER OF MASKS  
UNIFORM DENSITY CHARGE DEPOSIT SOURCE  
VERTICAL TRANSISTOR WITH HIGH-DENSITY DRAM CELL AND VOLTAGE-CONTROLLED VARIABLE SPECTRUM PHOTODETECTOR FOR  
WET CLEAN FOR A SURFACE HAVING AN EXPOSED ZEOLITE SSZ-41  
2nd BUFFER FORMED ON Si AND SAPPHIRE SUBSTRATES FOR SILICON BORON CARBONITRIDE  
Si-B<sub>2</sub>(N<sub>2</sub>C) A NEW CERAMIC MATERIAL FOR HIGH PERFORMANCE SILICON CARBIDE  
3C-SiC INCLUSIONS IN 4H-SiC EPILAYERS ON 4H-SiC  
ABRASIVE MEDIUM COMPRISING SILICON CARBIDE COATED WITH ABRASIVE TAPE  
ACID-RESISTANT CERAMICS FORMATION ON THE BASE OF SiC  
ACTIVATION OF NITROGEN IMPLANTS IN 6H-SiC  
Ag EFFECT ON MICROSTRUCTURES AND STRENGTH OF SiC/SiC  
ALIGNMENT OF SILICON CARBIDE WHISKERS IN POLYMER  
ALPHA TO BETA REVERSE PHASE TRANSFORMATION IN SILICON  
ALTERNATIVE PROCESSES TO VERIFY POROSITY DIFFERENCES  
AMORPHOUS SILICON OXYCARBIDE COATED SILICON CARBIDE ON APPARATUS FOR GROWING SiC CRYSTALS  
ATMOSPHERE EFFECTS ON COMBUSTION SYNTHESIS OF SiC AND BEARING ASSEMBLY  
CALCULATION OF DIELECTRIC AND OPTICAL PROPERTIES OF CERAMIC BURNER AND RADIANT TUBES FOR HIGH-TEMPERATURE CERAMIC COMPOSITE MATERIAL WITH HIGH HEAT-RESISTANT CERAMIC FUSED FIBRE ENHANCED DENTAL MATERIALS  
CERAMIC SUBSTRATE WITH SILICON CARBIDE SMOOTHING LAYER  
CERAMIC WAFERS AND THIN FILM MAGNETIC HEADS  
CHARACTERISATION OF HIGH-TEMPERATURE CREEP FRACTURE  
CHARACTERISATION OF LOW-OXYGEN SiC FIBRE FIRED AT CHARACTERISATION OF PORES DURING THE DENSIFICATION OF CHARGING RACK FOR FIRING OBJECTS COMPOSED OF CERAMIC  
CHEMICAL INSTABILITY OF SILICON CARBIDE IN THE  
CHEMICAL VAPOUR DEPOSITION OF SiC - C IN ELECTRIC AND  
CHEMICAL VAPOUR DEPOSITION OF SILICON CARBIDE BY  
CHEMICAL VAPOUR DEPOSITION OF SILICON CARBIDE ON  
CHEMICAL VAPOUR DEPOSITION-PRODUCED SILICON CARBIDE  
CLAD METAL SUBSTRATE  
COATED FILAMENTS  
COATED QUARTZ GLASS COMPONENT  
COATINGS TO INHIBIT OXIDATION ON RISC KILN FURNITURE  
COMPACTING OF SILICON CARBIDE WITH AN INSTRUMENTED COMPOSITE CERAMIC SINTERED MATERIAL AND SLIDER MEMBER  
COMPOSITE MATERIAL HAVING AN INTERMETALLIC MATRIX OF COMPOSITE OF SILICON CARBIDE AND CARBON AND METHOD OF COMPOSITE SILICIDE/SILICON CARBIDE MECHANICAL ALLOY  
CONTACT PHENOMENA AND INTERACTIONS IN THE SYSTEM  
CONTROL OF Al AND B DOPING TRANSIENTS IN 6H AND 4H SiC  
CONTROL OF ETCH PIT DENSITY IN LOW-PRESSURE-GROWN SiC  
CONTROLLING PROPERTIES OF CERAMIC POWDERS PREPARED BY CONVERSION PROCESS OF CHLORINE CONTAINING POLYSILANES  
CORRELATION BETWEEN MICROSTRUCTURE AND MECHANICAL CORRELATION OF BIAXIAL STRAINS, BOUND EXCITON CORROSION OF NON-OXIDE CERAMICS  
Co/SiC INTERFACE REACTION

76-07822P  
76-06478C  
76-03262C  
76-03263A  
76-02689P  
76-04280A  
76-03264A  
76-06484C  
76-03267A  
76-03268A  
76-08246P  
76-05714P  
76-07999P  
76-06708P  
76-06709P  
76-04636P  
76-06716P  
76-01808P  
76-03143P  
76-07830P  
76-07831P  
76-05603P  
76-04644A  
76-03341P  
76-09102P  
76-02152P  
76-06739P  
76-06742P  
76-01345P  
76-02162P  
76-02152P  
76-06760P  
76-07678C  
76-05605P  
76-06763P  
76-05609P  
76-05612P  
76-03346P  
76-05615P  
76-08066P  
76-05617P  
76-05618P  
76-03350P  
76-07861P  
76-07862P  
76-05201P  
76-09129P  
76-00793P  
76-06767P  
76-04315P  
76-00870P  
76-06289P  
76-02571A  
76-06521C  
76-05628P  
76-07695C  
76-05517P  
76-07966P  
76-07705C  
76-04673P  
76-07867P  
76-07868P  
76-05638C  
76-06784P  
76-03293A  
76-07870P  
76-08250P  
76-02192P  
76-01813P  
76-07813P  
76-09143P  
76-04692P  
76-07727C  
76-06266C  
76-03148A  
76-00006P  
76-04954P  
76-06541C  
76-03148A  
76-00078A  
76-08343A  
76-04318A  
76-05922A  
76-08347P  
76-08233P  
76-03919C  
76-01794P  
76-03153A  
76-07131A  
76-04535P  
76-06188P  
76-06564P  
76-08748P  
76-04744A  
76-05977A  
76-06214C  
76-08236P  
76-01734A  
76-05922A  
76-06215A  
76-03928A  
76-06565P  
76-06566P  
76-07037P  
76-04540P  
76-01896P  
76-05952A  
76-05832C  
76-04310P  
76-02061P  
76-02062P  
76-06575P  
76-01735A  
76-04421A  
76-00904P  
76-01180C  
76-08354A  
76-03932A  
76-08356A  
76-04704A  
76-05814A  
76-03167A  
CRACK PROPAGATION AND INTERFACIAL PROPERTY IN C2N2/2SiO2 AND C2N2/2SiO2 CERAMIC COMPOSITE  
CREEP AND RUPTURE OF ADVANCED CERAMIC FIBRE  
CRYSTALLISATION BEHAVIOUR AND POLYTYPIC TRANSFORMATION  
CRYSTALLISATION OF GRAIN BOUNDARY PHASES IN SiC  
DELAYED FAILURE OF CERAMIC FIBRES AT ELEVATED TEMPERATURE  
DEVICE PROPERTIES OF SiC-CARBON GRAPHITE COMPOSITE  
DENSIFICATION OF ULTRAFINE SiC POWDERS  
DEPOSITION OF OXIDE COATINGS ON FIBRE CLOTHS BY DETERMINATION OF PORE SIZES ON SINTERED CERAMIC  
DEVELOPMENT AND EVALUATION OF REACTION SINTERED DENSE SELF-SINTERED SiC-CARBON GRAPHITE COMPOSITES--DIAMOND COMPOSITE FILMS FOR PROTECTIVE COATINGS ON DIELECTRICALLY ISOLATED SiC MOSFET  
DIESEL PARTICULATE FILTER APPARATUS  
DIFFUSION BONDING OF NON-OXIDE CERAMICS TO TRANSITION DIFFUSION IN NON-OXIDE CERAMICS  
DISPERSION AND CASTING OF SiC AQUEOUS SLIPS  
DOPING OF 3C-SiC BY IMPLANTATION OF NITROGEN AT HIGH DURABILITY OF SILICA-PROTECTED CERAMICS IN COMBUSTION  
DYNAMIC CONVECTION-DRIVEN THERMAL GRADIENT CHEMICAL EFFECT OF AGEING TIME ON PRESSURE SLIP CASTING OF EFFECT OF ALPHA/BETA RATIO IN STARTING POWDER MIXTURE  
EFFECT OF ATMOSPHERE ON PYROLYSIS OF NICALON  
EFFECT OF CONTACT AREA ON SYNTHESIS OF SILICON CARBIDE  
EFFECT OF GAS FLOW ON THE CHEMICAL VAPOUR DEPOSITION OF LARGE ALPHA-SILICON CARBIDE SEED GRAINS ON EFFECT OF NITROGEN ON PULSED LASER DEPOSITION OF EFFECT OF RAPID HEAT TREATMENTS ON ELECTRICAL EFFECT OF THERMAL CYCLING ON STRESSES IN THIN SILICON EFFECT OF THERMAL TREATMENTS ON THE REACTIVITY OF EFFECT OF WEIGHT LOSS ON LIQUID-PHASE-SINTERED SILICON EFFECTS OF HARDNESS AND FRACTURE TOUGHNESS OF TARGET EFFECTS OF PREFERRED ORIENTATION AND MICROSTRUCTURE ON EFFECTS OF SLAG COMPOSITIONS ON THE OXIDATION  
ELECTRIC FIELD-ACTIVATED COMBUSTION SYNTHESIS OF ELECTRICAL PROPERTIES OF METAL-DIAMONDLIKE ELECTRON TRANSPORT PROPERTIES OF QUANTIZED SILICON ELECTROPHORETIC DEPOSITION OF MULLITE IN A CONTINUOUS ELECTROPHORETIC FORMING OF SILICON CARBIDE CERAMICS ELECTROPHORETIC FORMING OF SILICON CARBIDE LAMINATES ENERGETICS OF AN EPITAXIAL WETTING LAYERS ON ENVIRONMENTAL EFFECTS ON CREEP AND STRESS-RUPTURE EPR STUDY OF DEFECTS INDUCED IN 6H-SiC BY ION EXPERIMENTAL EVALUATION OF A NEW  
EXPERIMENTAL STUDY OF REACTIVE DIFFUSION OF METALS ON FABRICATION AND PROPERTIES OF SINTERED SILICON CARBIDE FABRICATION AND THERMAL PROPERTIES OF COMPOSITIONALLY FABRICATION OF SILICON CARBIDE NANOCERAMICS  
FABRICATION OF TiO<sub>2</sub> COATING ON SiC WHISKER BY A FORMATION OF SiC FROM RICE HUSK SILICA-CARBON BLACK FORMATION OF SiC WHISKERS FROM RICE HUSK IN ARGON FREE ELECTRON LASER ANNEALING OF SILICON CARBIDE FRICTION COEFFICIENT AND MICROSTRUCTURE OF FRICTION MEASUREMENTS DURING DRY COMPACTION OF SILICON GASEOUS CORROSION MECHANISMS OF SILICON CARBIDES IN GENERATOR MOTOR FOR VEHICLES  
GLASS-MELTING TREATMENT METHOD  
GRADED-GAP PROCESS FOR GROWING AN SiC/Si GRAIN GROWTH AND STRENGTH DEGRADATION OF SiC GRAIN GROWTH OF DENSE SiC-N/ADDITION AND SiC AT HIGH WHITE-LOADED SILICON CARBIDE SUBSTRATES FOR HIGH GROWTH AND CHARACTERISATION OF AIN ON 6H-SiC GROWTH AND CHARACTERISATION OF GaN THIN FILMS ON SiC GROWTH OF SECONDARY PARTICLES ON SiC POLYHEDRA  
HERMETIC SiC COMPOSITE TUBES  
HETEROJUNCTION BIPOLAR TRANSISTOR  
HETEROJUNCTION TYPE BIPOLAR TRANSISTOR  
HIGH BREAKDOWN VOLTAGE SILICON CARBIDE TRANSISTOR  
HIGH BRIGHTNESS ELECTROLUMINESCENT DEVICE, EMITTING IN HIGH BRIGHTNESS ELECTROLUMINESCENT DEVICE EMITTING IN HIGH RESISTIVITY SILICON CARBIDE SUBSTRATES FOR HIGH HIGH STRAIN RATE COMPRESSION AND PLASTIC FLOW OF HIGH TEMPERATURE GAS STREAM OPTICAL FLAME SENSOR HIGHLY ANISOTROPIC, ULTRASMOOTH PATTERNING OF GaN/SiC HIGH-QUALITY PHOTOCONDUCTIVITY ULTRAVIOLET GaN/6H-SiC HIGH-TEMPERATURE BELT FURNACE APPARATUS AND METHOD OF HIGH-TEMPERATURE CERAMIC ARTICLES HAVING CORROSION HIGH-TEMPERATURE CORROSION OF A SILICON-INFILTRATED HOLLOW-CORE SCREW DISLOCATIONS IN 6H-SiC SINGLE HOPPING CONDUCTION IN HEAVILY DOPED BULK *n*-TYPE SiC CORROSION OF HOT-PRESSED SILICON CARBIDE HOT IMPLANTATION OF NITROGEN DONORS INTO *p*-TYPE HOT PRESS SINTERING OF BETA-SiC HYDROSILOXANES AS PRECURSORS TO CERAMIC PRODUCTS HYDROGEN PASSIVATION IN *n*- and *p*-TYPE 6H-SiC IMPROVED LINING FOR ALUMINUM PRODUCTION FURNACE IMPROVED Ni OHMIC CONTACT ON *n*-TYPE 4H-SiC IMPROVED R-SiC MATERIAL FOR CYCLICAL USE AT HIGH IMPROVEMENT OF THE CRYSTALLINITY OF 3C-SiC FILMS BY INDUCTION OF MESOTHELIOLOGY AFTER INTRAPLEURAL INFLUENCE OF ATMOSPHERE ON THE WETTABILITY OF INFLUENCE OF FREE SILICON CONTENT ON THE MICROHARDNESS INFLUENCE OF OXIDE ADDITIVES ON MICROSTRUCTURE INFLUENCE OF pH ON THE PRESSURE SLIP CASTING OF INFLUENCE OF PORE STRUCTURE IN GREEN COMPACTS ON THE INFLUENCE OF SILICA CONTENT ON LIQUID PHASE SINTERING INNOVATIVE KILN FURNITURE FOR THE FAST FIRING OF INTEGRATED HETEROSTRUCTURES OF GROUP III-V NITRIDE INTERFACE STRUCTURE AND REACTION KINETICS BETWEEN SiC INTERGRANULAR MICROSTRUCTURE OF LIQUID PHASE SINTERED INTERMEDIATE FOR PRESSING POROUS SILICON CARBIDE INTERNAL FRICTION AND THERMAL SHOCK DAMAGE FOR SOME INTRODUCTION - SILICON CARBIDE AS A SEVERE ENVIRONMENT ION IRRADIATION OF PRECERAMIC POLYMER THIN FILMS JOINING OF SiC TO SiC USING A PRECERAMIC POLYMER KEATING-HARRISON MODEL FOR WIDE BAND GAP SEMICONDUCTOR LARGE ANGLE CONVERGENT BEAM ELECTRON DIFFRACTION STUDY LARGE-AREA SUPERSONIC JET EPITAXY OF AIN, GaN, AND SiC LATERAL SILICON CARBIDE TRANSISTOR LIQUID PHASE SINTERED SILICON CARBIDE: PRODUCTION LIQUID PHASE SINTERING OF SILICON CARBIDE  
LOW-FRICTION CERAMICS  
LOW-PRESSURE CVD OF GaN FROM GaCl<sub>3</sub> AND NH<sub>3</sub>  
LOW-STRAIN LASER STRUCTURES WITH GROUP III NITRIDE LOW-TEMPERATURE INTERFACE MODIFICATION BY HYDROCARBON LOW-TEMPERATURE SINTERING OF SILICON CARBIDE WITH MAGNETIC PUMP  
MBE GROWTH OF III-V NITRIDE FILMS AND QUANTUM WELL MEASUREMENTS OF ELASTIC AND ANELASTIC PROPERTIES OF MECHANISM OF SILICON AND SILICON CARBIDE MAKING MECHANISM OF SPONTANEOUS INFILTRATION OF Al-Si ALLOY MECHANISMS OF WETTING AND BRAZING OF SILICON CARBIDE MESOSCOPIC STRUCTURE OF SiC FIBRES BY NEUTRON AND

76-02254A  
76-06592P  
76-03935C  
76-08656A  
76-08991P  
76-03938C  
76-08992P  
76-01738A  
76-08360  
76-08815A  
76-01740A  
76-01740A  
76-07040P  
76-03307P  
76-08750P  
76-01188C  
76-04693A  
76-01927C  
76-04430A  
76-04728C  
76-08148A  
76-01930C  
76-03989A  
76-08664C  
76-03943A  
76-08665A  
76-01200C  
76-04371C  
76-06407A  
76-06002C  
76-05377A  
76-03946C  
76-08667A  
76-02269A  
76-04247A  
76-02862A  
76-03960C  
76-03185A  
76-03189A  
76-04105C  
76-04249A  
76-05841A  
76-07580C  
76-06003C  
76-04697A  
76-01209A  
76-08571A  
76-03185A  
76-01211C  
76-04251A  
76-04146A  
76-04254A  
76-04170A  
76-04447A  
76-01943A  
76-03707A  
76-01754A  
76-01800P  
76-01421P  
76-09010P  
76-06011A  
76-04256A  
76-05546P  
76-07590C  
76-03200A  
76-04257A  
76-03660A  
76-03661A  
76-00833P  
76-00834P  
76-03310P  
76-07744P  
76-05546P  
76-02276A  
76-08752P  
76-03206A  
76-07601C  
76-04256A  
76-09015P  
76-09196A  
76-04709A  
76-03210A  
76-04256A  
76-04453A  
76-01948C  
76-06569P  
76-03211A  
76-01423P  
76-03219A  
76-07307A  
76-04457A  
76-06899A  
76-04261A  
76-03238A  
76-07309C  
76-03171A  
76-01951A  
76-04460A  
76-05269A  
76-07750P  
76-04262A  
76-01956C  
76-08614P  
76-01761A  
76-03172A  
76-01759A  
76-01959A  
76-03722C  
76-03235A  
76-03236A  
76-07621C  
76-05552P  
76-06241C  
76-01761A  
76-04265A  
76-08865P  
76-07622C  
76-03318P  
76-03239A  
76-01761A  
76-03172P  
76-07631C  
76-04265A  
76-05275A  
76-00713A  
76-01233C  
76-03986A



- METALLISING OF SILICON CARBIDE CERAMICS WITH TITANIUM  
METALORGANIC CHEMICAL VAPOUR DEPOSITION-GROWN AIN ON  
METHOD AND DUMMY DISC FOR UNIFORMLY DEPOSITING SILICON  
METHOD FOR FABRICATING ACTIVE DEVICES ON A THIN  
METHOD FOR FORMING HETEROJUNCTION BIPOLAR TRANSISTORS  
METHOD FOR GROWING II-V SEMICONDUCTOR FILMS USING A  
METHOD FOR IMPROVING THE TOUGHNESS OF SILICON CARBIDE  
METHOD FOR MAKING HIGH-PRESSURE SELF-REINFORCED  
METHOD FOR PASSIVATING INNER SURFACES OF CHEMICAL  
METHOD FOR PRODUCING CERAMIC-BASED COMPONENTS  
METHOD FOR PRODUCING HIGH EFFICIENCY LIGHT-EMITTING  
METHOD FOR PRODUCING A SEMICONDUCTOR DEVICE HAVING A  
METHOD FOR PRODUCING SILICON NITRIDE/SILICON CARBIDE  
METHOD OF DEPOSITING CRYSTALLINE CARBON-BASED THIN  
METHOD OF ETCHING SILICON CARBIDE  
METHOD OF FORMING GREEN LIGHT EMITTING DIODE IN  
METHOD OF FORMING A RESIST PATTERN BY USING A SILICON  
METHOD OF FORMING SILICON CARBIDE MEMORY DEVICE BY  
METHOD OF FORMING A SILICON CARBIDE JFET  
METHOD OF MAKING A CERAMIC COMPOSITE BY INFILTRATION  
METHOD OF MAKING HEAT- AND IMPACT-RESISTANT COMPOSITE  
METHOD OF MAKING SUBSTRATES FOR THE GROWTH OF  
METHOD OF MANUFACTURING A COMPOSITE CERAMIC SINTERED  
METHOD OF MANUFACTURING A COMPOSITE SINTERED BODY  
METHOD OF MANUFACTURING A SINTERED COMPOSITE BODY OF  
METHOD OF OBTAINING HIGH QUALITY SILICON DIOXIDE  
METHOD OF OBTAINING HIGH-QUALITY SILICON DIOXIDE  
METHOD OF PRODUCING A SILICON CARBIDE SEMICONDUCTOR  
METHODS OF FABRICATING VOLTAGE BREAKDOWN RESISTANT  
MICROHARDNESS AND SURFACE ROUGHNESS OF SILICON CARBIDE  
MICROSTRUCTURAL CHARACTERISATION OF ALUMINA AND  
MICROSTRUCTURAL DEVELOPMENT DURING LIQUID PHASE  
MICROSTRUCTURAL DEVELOPMENT OF SILICON CARBIDE  
MICROSTRUCTURAL STABILITY AND CREEP BEHAVIOUR OF  
MODEL SiC-BASED FIBRE WITH A LOW OXYGEN CONTENT  
MODELS FOR THE THERMOSTRUCTURAL PROPERTIES OF SiC  
NEW APPLICATION OF PRESSURELESS SINTERED SILICON  
NEW METHOD OF FRACTURE TOUGHNESS DETERMINATION IN  
NITROGEN-REACTED SILICON CARBIDE MATERIAL  
NOVEL ORGANOSILICON PRECURSORS FOR SiC CERAMICS AND  
OBSERVATION OF A TWO-DIMENSIONAL ELECTRON GAS IN THE  
OPTICAL SENSING OF COMBUSTION DYNAMICS  
OPTICALLY TRIGGERED SEMICONDUCTOR DEVICE  
OXIDATION BEHAVIOUR OF POROUS SiC AT HIGH TEMPERATURES  
OXIDATION OF HOT-PRESSED SILICON CARBIDE  
OXIDATIVE STABLE CERAMIC COMPOSITES  
OXIDE-COATED SILICON CARBIDE MATERIAL AND METHOD OF  
PARALLEL OXIDATION OF CVD GROWN IN WATER VAPOUR  
PASSIVE-OXIDATION KINETICS OF HIGH-PURITY SILICON  
PHASE AND MICROSTRUCTURE OF SiC-AIN CERAMICS PREPARED  
PHASE DISTRIBUTION AND INTERFACE CHEMISTRY OF THE  
PHOTOCHEMICALLY MODIFIED DIAMOND SURFACES, AND METHOD  
PILOT-SCALE COMBUSTION TESTING OF SILICON-BASED  
PLASMA CHAMBER CLEANING OF SEMICONDUCTOR PROCESSING  
POLYMER PRECURSOR FOR SILICON CARBIDE/ALUMINIUM  
POLYTYPES AND STACKING FAULTS OF SiC  
POROUS SILICON CARBIDE (SiC) SEMICONDUCTOR DEVICE  
PRACTICAL EXPERIENCES WITH SOME PRINCIPLES PERTINENT  
PRELOADING TECHNIQUE IN DYNAMIC FATIGUE TESTING OF  
PREPARATION AND ANALYSIS OF A SILICON CARBIDE  
PREPARATION OF MICRO-COILED SiC AND TiC FIBRES BY  
PREPARATION OF NANOCRYSTALLINE SiC POWDER BY CHEMICAL  
PREPARATION OF SiC PARTICLES COATED WITH ALUMINA  
PREPARATION OF SiC WHISKERS FROM POLYCARBOSILANE  
PREPARATION OF THIN SECTIONS OF COATED FIBRES FOR  
PREPARATION OF ZIRCONIA AND SILICON CARBIDE WHISKER  
PROCESS FOR MAKING TiC-BASED SiC WHISKER COMPOSITE  
PROCESS FOR MANUFACTURING AN SiC COMPOSITE  
PROCESS FOR PREPARATION OF METAL CARBIDE FIBRES  
PROCESS FOR PREPARING SiC FOAM  
PROCESS FOR PREPARING A SILICON CARBIDE SINTERED BODY  
PROCESS FOR PRODUCING ARTICLES OF CARBON-SILICON  
PROCESS FOR PRODUCING CERAMIC COMPONENTS OF SILICON  
PROCESS FOR PRODUCING HIGH PURITY SILICON CARBIDE  
PROCESS FOR PRODUCING SiC  
PROCESS FOR PRODUCING SILICON CARBIDE MATERIAL  
PROCESS FOR PRODUCING A SINTERED CERAMIC BODY  
PROCESS FOR THE PREPARATION OF SiC WHISKER-REINFORCED  
PROCESS FOR THE PRODUCTION OF LONG FIBRE SiC  
PROCESSING AND CHARACTERISATION OF NANOSCALE LASER  
PROCESSING OF NOVEL REACTION BONDED SiC CERAMICS USING  
PRODUCTION PROCESS OF SILICON CARBIDE FROM  
PROPERTIES AND APPLICATIONS OF SILICON CARBIDE  
PROPERTIES OF THE SURFACE OF A TITANIUM ALLOY ENGINE  
PROPERTIES OF Yb-Si-AL-O-C-N OXYCARBONITRIDE GLASSES  
RADIATION DETECTOR  
RAPID THERMAL ANNEALING OF ION-IMPLANTED  $\delta$ -SiC BY  
RAW BATCH FOR PRODUCING REACTION-BONDED SILICON  
REACTION BONDING OF SiC USING ALLOYED SILICON  
REACTION MECHANISMS OF SiC FIBRE SYNTHESIS FROM  
REACTION OF SILICON CARBIDE GRAINS WITH MOLTEN IRON  
REACTION PHASES IN SiC/SiC OR Si<sub>3</sub>N<sub>4</sub>/Si<sub>3</sub>N<sub>4</sub> JOINT BRAZED  
REACTIVE MBE GROWTH OF GaN AND GaIn-ON GaN/SiC  
RESIDUAL DAMAGE EFFECTS ON GATE CONTACTS FORMED ON SiC  
ROLE OF INTERFACIAL CHARGE IN THE GROWTH OF GaN ON  
SELECTING SEAL MATERIALS  
SELF-SINTERED SILICON CARBIDE/CARBON GRAPHITE  
SEMICONDUCTOR DEVICE HAVING A PASSIVATION LAYER  
SEMICONDUCTOR DEVICE WITH A LOW RESISTANCE OHMIC  
Si<sub>3</sub>N<sub>4</sub>-SiC COMPOSITE DENSIFIED MATERIALS PREPARED USING  
SiC FIBRE NICALON AND APPLICATION TO CMC  
SiC FOR SEMICONDUCTOR DEVICES  
SiC MOSFET  
SiC RADIANT TUBES INSTALLED IN CARBURISING FURNACE  
SiC-BASED FIBRES WITH LOW FREE CARBON CONTENT  
SiC-FIBRES FROM MODIFIED POLYORGANOSILANES  
SILICON CARBIDE BIPOLAR SEMICONDUCTOR DEVICE WITH  
SILICON CARBIDE CARRIER FOR WAFER PROCESSING  
SILICON CARBIDE CERAMIC HEAT EXCHANGER FOR APPLICATION  
SILICON CARBIDE COMPOSITE WITH COATED FIBRE  
SILICON CARBIDE FIBRE PREPARED FROM ACTIVATED CARBON  
SILICON CARBIDE: FROM ACHESON'S INVENTION TO NEW  
SILICON CARBIDE LOCOS PROCESS USING ENHANCED THERMAL  
SILICON CARBIDE LOCOS VERTICAL MOSFET DEVICE  
SILICON CARBIDE POWDER SYNTHESIS FROM SILICON MONOXIDE  
SILICON CARBIDE POWDERS WITH HIGH SPECIFIC SURFACE  
SILICON CARBIDE SEMICONDUCTOR DEVICES HAVING BURIED  
SILICON CARBIDE STATIC INDUCTION TRANSISTOR  
SILICON CARBIDE - SUPPLY SECTOR SHOWDOWN  
SILICON CARBIDE - THERMISTOR  
SILICON CARBIDE TRENCH MOSFET  
SILICON CARBIDE WITH CONTROLLED POROSITY  
SIMULATION OF SiC DEPOSITION IN A FIBRE COATING CVD  
SINTERED BODY OF SILICON NITRIDE AND COMPOSITE  
SINTERED COMPOSITE OF SILICON CARBIDE AND SILICON
- 76-08690A  
76-03241A  
76-08034P  
76-05556P  
76-05556P  
76-05566P  
76-04585P  
76-08034P  
76-03732C  
76-06649P  
76-05570P  
76-05570P  
76-07784P  
76-02108P  
76-09059P  
76-04601P  
76-06666P  
76-04601P  
76-05581P  
76-05582P  
76-06671P  
76-02122P  
76-09067P  
76-04616P  
76-02128P  
76-06000P  
76-06821P  
76-05533P  
76-05533P  
76-02108P  
76-05594P  
76-06891A  
76-04267A  
76-08692A  
76-06894A  
76-03990A  
76-08383A  
76-06032  
76-01768A  
76-02025P  
76-04633P  
76-06039C  
76-07653C  
76-01807P  
76-07824P  
76-0498C  
76-04276A  
76-04278A  
76-06822P  
76-02138P  
76-08710A  
76-04280A  
76-04474A  
76-04281A  
76-04634P  
76-06254P  
76-07826P  
76-02142P  
76-01772A  
76-00861P  
76-03747A  
76-04819A  
76-08713A  
76-04008A  
76-03749A  
76-06282P  
76-08403A  
76-01523A  
76-04009A  
76-06727P  
76-06100P  
76-02152P  
76-09104P  
76-03342P  
76-06734P  
76-06736P  
76-04652P  
76-09112P  
76-06743P  
76-06744P  
76-09117P  
76-06750P  
76-06258C  
76-08715C  
76-06759P  
76-01777A  
76-08403A  
76-07235A  
76-04314P  
76-04488A  
76-00554P  
76-01994C  
76-06064C  
76-00508A  
76-00132A  
76-07681C  
76-03276A  
76-03277A  
76-01781A  
76-04864P  
76-07850P  
76-07853P  
76-09127P  
76-01531A  
76-00816A  
76-07863P  
76-06267A  
76-06070C  
76-06071C  
76-05623P  
76-00867P  
76-04292C  
76-02117P  
76-01533A  
76-08723A  
76-04738A  
76-05624P  
76-08724A  
76-06268P  
76-00868P  
76-05625P  
76-06269A  
76-00869P  
76-05626P  
76-04666P  
76-03771A  
76-06771P  
76-02174P
- SINTERED SEMICONDUCTOR BODY  
SINTERED SiC AND METHOD OF MAKING  
SINTERED SiC SHAPED ARTICLES AND MECHANICAL PACKINGS  
SLIP CASTING AND SINTERING OF SILICON CARBIDE, PT.1  
SOLID FREEFORM FABRICATION USING GAS PRECURSORS:  
SOLID-STATE-SINTERED SILICON CARBIDE BY WATER-BASED  
SOME EFFECTS OF BORON DOPING IN  $\delta$ -SiC-HI FILMS PREPARED  
STABILITY AND BAND OFFSETS OF SiC-AIN, AND  
STABILITY OF SILICON CARBIDE STRUCTURES FROM CLUSTERS  
STACKING FAULTS IN BETA-SiC FORMED DURING CARBOTHERMAL  
STRAIN EFFECTS ON EXCITONIC TRANSITIONS IN GaN  
STRUCTURAL AND OPTICAL CHARACTERISATION OF  
STRUCTURAL INVESTIGATIONS OF SiC-CERAMICS FROM  
STRUCTURE AND MECHANICAL BEHAVIOUR OF CERAMIC FOAMS  
STRUCTURE AND THERMAL EVOLUTION OF SiC-BASED FIBRES  
STRUCTURE, COMPOSITION AND MECHANICAL BEHAVIOUR AT  
STRUCTURE OF CARBON PRODUCED BY HYDROTHERMAL TREATMENT  
SURFACE ELECTRON PROPERTIES OF  $\delta$ Si AND  $\delta$ Si<sub>3</sub>N<sub>4</sub>  
SURFACE FOR SEMICONDUCTOR WAFER PROCESSING  
SYNTHESIS OF BETA-SiC WHISKERS BY  
SYNTHESIS OF BETA-SiC WHISKERS FROM SILICA BLACK ORE  
SYNTHESIS OF METACRYLIC CERAMICS  
SYNTHESIS OF NANOCRYSTALLINE CERAMICS FROM ORGANOSILICON  
SYNTHESIS OF SiC-AIN CERAMIC ALLOYS FROM Si, C AND AIN  
SYNTHESIS OF SILICON CARBIDE WHISKERS USING THE  
SYNTHESIS OF SPHERICAL BETA-SILICON CARBIDE PARTICLES  
TEMPERATURE-COMPENSATED SILICON CARBIDE PRESSURE  
TEMPERATURE EFFECTS ON THE KINETICS OF SiC  
THERMAL CONDUCTIVITY IN HOT-PRESSED SILICON CARBIDE  
THERMAL SPALLING WEAR AND MECHANICAL BEHAVIOUR OF  
THERMAL STABILITY OF A PCS-DERIVED SiC FIBRE WITH A  
Ti EFFECT ON MICROSTRUCTURE AND STRENGTH OF  
TRIBOLOGICAL INVESTIGATIONS OF STRUCTURAL  
TRIBOLOGICAL PROPERTIES OF CLAY BONDED SiC  
TRIBOLOGICAL PROPERTIES OF OIL-RETAINING POROUS  
VERTICAL CHANNEL SiC METAL-OXIDE-SEMICONDUCTOR FIELD  
WEETABILITY AND REACTIVITY OF SILICON CARBIDE BY  
WETTER-REINFORCED CERAMIC MATERIAL  
SILICON CARBONITRIDE  
ELECTRICAL PROPERTIES OF TERNARY SiC-N CERAMICS  
PROPERTY MODIFICATION OF NANOSCALED SiC-N-COMPOSITES  
PYROLYSIS CHEMISTRY OF POLYSILAZANE PRECURSORS TO  
RESEARCH OF AN OPTIMUM COMPOSITION FOR INCREASING THE  
STRUCTURAL INVESTIGATIONS OF SiC-CERAMICS FROM  
THERMAL BEHAVIOUR OF (ORGANOSILICON) POLYMER-DERIVED  
SILICON NITRIDE  
ACRYLIC BINDERS FOR DRY PRESSED SiC<sub>3</sub>N<sub>4</sub> STRUCTURAL  
ADHERENT DIAMOND COATING ON SILICON NITRIDE SUBSTRATE  
AN EFFECT ON MICROSTRUCTURES ON STRENGTH OF  
ALPHA-BETA TRANSFORMATION IN SILICON NITRIDE SINGLE  
APPARATUS FOR PRODUCING A SILICON NITRIDE SINTERED  
APPLICATION OF THE PARTIAL TRANSIENT LIQUID PHASE  
APPLICATION OF THIN CRYSTALLINE Si<sub>3</sub>N<sub>4</sub> LINERS IN  
APPLICATIONS OF SILICON NITRIDE BASED CERAMICS  
ATOMISTIC STRUCTURE OF SILICON NITRIDE/SILICATE GLASS  
AUTOMATED LASER SCATTER DETECTION OF SURFACE AND  
AUTOMOTIVE APPLICATION STUDY FOR SILICON NITRIDE  
BIPOLAR AND BiCMOS STRUCTURES  
BRITTLE FAILURE PREDICTION OF CERAMICS USING A  
CALCULATION OF DESIGN PARAMETER OF Si<sub>3</sub>N<sub>4</sub> FOR  
CAR KILN WHEEL HAVING SILICON NITRIDE ROTATING MEMBERS  
CARBOTHERMAL NITRIDATION SYNTHESIS OF ALPHA-Si<sub>3</sub>N<sub>4</sub>  
CERAMIC FORCING BODY AND METHOD OF PREPARING THE SAME  
CERAMICS CARVE NEW SHAPE IN CUTTING TOOL  
CHANGES IN SURFACE CHARACTERISTICS OF SILICON NITRIDE  
CHARACTER OF REACTION KINETICS FOR PRODUCING ULTRAFINE  
CHARACTERISATION OF HIGH TEMPERATURE CREEP FRACTURE  
CHARACTERISATION OF LASER SYNTHESISED SILICON NITRIDE  
CHARACTERISATION OF Si<sub>3</sub>N<sub>4</sub> COATINGS  
CHEMICAL ANALYSES OF MECHANOCHEMICAL REACTION PRODUCTS  
CHEMICAL INTERACTION BETWEEN Fe AND SILICON NITRIDE  
CHEMICAL VAPOUR DEPOSITION OF SILICON NITRIDE IN A  
CHEMICAL VAPOUR DEPOSITION SYNTHESIS AND  
COMBUSTION CATALYST WITH CORROSION  
COMPARISON OF PROPERTIES FOR FORMULATIONS PREPARED  
COMPOSITE CERAMIC SINTERED MATERIAL AND SLIDER MEMBER  
COMPOSITE DIELECTRIC PASSIVATION OF HIGH DENSITY  
COMPOSITION AND MICROSTRUCTURE OF NANOSIZED, AMORPHOUS  
COMPOSITION FOR USE IN MARINE COATING  
COMPRESSIVE CREEP AND CREEP FAILURE OF  
CONTACT FATIGUE BEHAVIOUR AND GAS CELL THERMAL WAVE  
CONTINUOUS PROCESS FOR THE PREPARATION OF SILICON  
CONTINUOUS SINTERING OF SELF-REINFORCED SILICON  
CONTRIBUTION TO SINTERING OF COVALENT POWDERS PREPARED  
CONTROL AND CHARACTERISATION OF ABNORMALLY GROWN  
CONTROL OF PARTICLE SIZE IN Si<sub>3</sub>N<sub>4</sub> POWDERS PREPARED BY  
CONTROLLING PROPERTIES OF CERAMIC POWDERS PREPARED BY  
COOLED LASER MIRROR MATERIALS  
CORROSION OF NON-OXIDE CERAMICS  
CORROSIVE DEGRADATION OF A DENSE Si<sub>3</sub>N<sub>4</sub> IN A BURNER RIG  
CRACK FORMATION AND OXIDATION IN SUPERPLASTICALLY  
CRACK HEALING IN SILICON NITRIDE AND ALUMINA CERAMICS  
CRACK HEALING IN A SILICON NITRIDE CERAMIC  
CRACK STABILITY AND ITS EFFECT ON FRACTURE TOUGHNESS  
CRACK-WAKE SHIELDING AND SMALL-SCALE CRACK TIP  
CREEP DESIGN ANALYSIS OF SILICON NITRIDE USING STRESS  
CREEP-INDUCED STRENGTHENING OF SiO<sub>2</sub>-Li<sub>2</sub>SiO<sub>3</sub> GLASS AND  
CUTTING TOOL COMPOSED OF Si<sub>3</sub>N<sub>4</sub>  
CYCLIC FATIGUE OF REACTION-BONDED SILICON NITRIDE AT  
CYCLIC FATIGUE OF A SILICON NITRIDE: INFLUENCE OF  
DENSIIFICATION OF ULTRAFINE Si<sub>3</sub>N<sub>4</sub>-SiC POWDER COMPACTS  
DEPOSITION OF SILICON NITRIDES BY PLASMA-ENHANCED  
DESINTERING PROCESS IN THE GAS-PRESSURE SINTERING OF  
DETERMINATION OF GRAIN BOUNDARY MOVEMENT IN SiC  
DEVELOPMENT OF MICROSTRUCTURE OF SILICON NITRIDE  
DEVELOPMENT OF SELF-HARDENING SLIP CASTING  
DEVICE FOR TESTING THE EDGE FLAKING OF CERAMIC VALVES  
DEVICE ISOLATION TECHNOLOGY BY LIQUID PHASE DEPOSITION  
DIAMOND-COATED BODY  
DIELECTRIC-POLYSILICON-DIELECTRIC ANTIFUSE FOR FIELD  
DIFFUSION IN NON-OXIDE CERAMICS  
DIRECT COAGULATION CASTING - A NEW GREEN SHAPING  
DIRECT JOINING OF SILICON NITRIDE MICROSTRUCTURE AND  
DIRECT NITRIDATION OF SiC  
DIRECTIONAL EFFECT OF APPLIED PRESSURE DURING THE  
DISSOLUTION RATE OF SILICON NITRIDE CERAMICS INTO  
DUAL SILVER LAYER LOW-GLASS COATING SYSTEM AND  
DYNAMIC REGIME MIRROR FINISH GRINDING OF CERAMICS WITH  
DYNAMIC COMPACTION OF CERAMICS
- 76-03352P  
76-09130P  
76-09131P  
76-05895A  
76-03781C  
76-05900C  
76-03263A  
76-07591C  
76-09187A  
76-01784A  
76-07096C  
76-07096C  
76-0544A  
76-04837C  
76-06078C  
76-06079C  
76-02017A  
76-08420A  
76-01295A  
76-08734A  
76-04675P  
76-01785A  
76-03286P  
76-03353P  
76-04038A  
76-06084A  
76-09133P  
76-01554A  
76-02023A  
76-01555A  
76-02024A  
76-00873P  
76-02017A  
76-01891A  
76-04299C  
76-06090A  
76-01306A  
76-01154A  
76-04846A  
76-04301A  
76-07871P  
76-07035C  
76-06791P  
76-06324C  
76-08944C  
76-08411A  
76-08412A  
76-00820P  
76-01544A  
76-01890A  
76-06210A  
76-08874A  
76-01154A  
76-06422A  
76-01419P  
76-01159C  
76-07728P  
76-04226C  
76-06212A  
76-04227A  
76-03827C  
76-01729A  
76-00820P  
76-04743A  
76-08646A  
76-06279P  
76-04230A  
76-06562P  
76-04853A  
76-01732A  
76-08347A  
76-04744A  
76-02204A  
76-0733A  
76-08649A  
76-04232A  
76-04233A  
76-08131A  
76-06192P  
76-06217A  
76-04310P  
76-07474P  
76-04235A  
76-06192P  
76-08651A  
76-05925A  
76-08986P  
76-04237C  
76-01179C  
76-08652A  
76-04238A  
76-01180C  
76-03305P  
76-0814A  
76-08654A  
76-04239A  
76-04748A  
76-09214C  
76-04240A  
76-08655A  
76-08629A  
76-06927P  
76-08657P  
76-06219A  
76-01922A  
76-04552P  
76-08659A  
76-08659A  
76-01924C  
76-03690A  
76-03844A  
76-02072P  
76-00011P  
76-07479P  
76-04696A  
76-01192C  
76-01193C  
76-01194C  
76-01742A  
76-08661A  
76-03030P  
76-03697A  
76-08899A

- ECR-PLASMA-DEPOSITED OXYGEN-FREE SiN<sub>x</sub> FILMS FOR LOW-EFFECT OF Al<sub>2</sub>O<sub>3</sub> AND Y<sub>2</sub>O<sub>3</sub> ON MACHINING OF SILICON  
EFFECT OF ALIGNMENT OF LARGE GRAINS ON THE THERMAL  
EFFECT OF BINDERS ON GRANULATED, GREEN AND SINTERED  
EFFECT OF COMPOSITION ON THE PROCESSING AND PROPERTIES  
EFFECT OF IMPURITIES IN GRAIN BOUNDARY PHASES ON WEAR  
EFFECT OF PROCESS ATMOSPHERE ON THE INTERGRANULAR  
EFFECT OF SEED CRYSTAL PROPERTIES ON THE  
EFFECT OF SILICON NITRIDE SEEDS ADDITION ON THE  
EFFECT OF SUSPENSION PROPERTY ON GRANULE MORPHOLOGY  
EFFECT OF THE HEATING RATE ON THE MICROSTRUCTURE AND  
EFFECT OF THERMAL CYCLING ON STRESSES IN THIN SILICON  
EFFECT OF ZWITTERIONIC SURFACTANTS ON INTERPARTICLE  
EFFECTS OF BALL-MILLING TIME ON THE PROPERTIES OF LOW  
EFFECTS OF HARDNESS AND FRACTURE TOUGHNESS OF TARGET  
EFFECTS OF INTERLAYERS ON THE BONDING STRENGTH OF  
EFFECTS OF THE METAL WORKPIECE PROPERTIES ON THE  
ELECTRICALLY PROGRAMMABLE ANTIFUSE INCORPORATING  
ELECTROMAGNETIC WINDOW  
ELECTRONIC STRUCTURES OF Ln<sub>3</sub>+ ALPHASiO<sub>2</sub>SiO<sub>2</sub> WITH  
ELECTROSTATIC ULTRASONIC TRANSDUCER  
EXTENDED X-RAY ABSORPTION FINE STRUCTURE (EXAFS) STUDY  
FABRICATION METHOD OF SUPERCONDUCTING QUANTUM  
FABRICATION OF POROUS CAST-IRON BONDED DIAMOND  
FACILITY FOR GRINDING SILICON NITRIDE CERAMIC  
FDC, RAPID FABRICATION OF STRUCTURAL COMPONENTS  
FEM RESIDUAL STRESS ANALYSIS AND MECHANICAL PROPERTIES  
FLUORINATED SILICON NITRIDE FILMS  
FORMATION OF REACTION-BONDED SILICON NITRIDE USING  
FORMATION OF Si<sub>3</sub>N<sub>4</sub> DURING THE DIRECT NITRIDATION OF Si  
FRACTURE CHARACTERISTICS OF SILICON NITRIDE AT  
FRACTURE RESISTANCE BEHAVIOUR OF MULTILAYERED SILICON  
FREEFORM FABRICATION OF CERAMICS VIA STEREOLITHOGRAPHY  
GAS DESORPTION FROM DIFFERENT SILICON NITRIDE POWDERS  
GELCASTING: FROM LABORATORY DEVELOPMENT TOWARD  
GLUING OF SINTERED PARTS MADE OF SILICON NITRIDE  
GRAIN SIZE DEPENDENCY OF THE CREEP RATE IN HOT-PRESSED  
GRAIN-BOUNDARY MICROSTRUCTURE AND CHEMISTRY OF A HOT  
GRAIN-BOUNDARY RELAXATION IN HIGH-PURITY SILICON  
GRAIN-BOUNDARY SLIDING IN FLUORINE-DOPED SILICON  
GREEN MACHINING OF GELCAST CERAMIC MATERIALS  
GRINDABILITY OF Si<sub>3</sub>N<sub>4</sub> CERAMICS BY NEW METAL-BONDED  
HIGH COUPLING RATIO OF FLASH MEMORY  
HIGH DENSITY SELECTIVE SiO<sub>2</sub>-Si<sub>3</sub>N<sub>4</sub> ETCHING USING A  
HIGH FREQUENCY ULTRASONIC CERAMIC/METAL ASSEMBLY  
HIGH PRESSURE REOXIDATION ANNEAL OF SILICON NITRIDE  
HIGH STRAIN RATE COMPRESSION AND PLASTIC FLOW OF  
HIGH TEMPERATURE STRENGTH AND OXIDATION BEHAVIOUR OF  
HIGH THERMAL CONDUCTIVITY IN SILICON NITRIDE WITH  
HIGH-RESOLUTION TRANSMISSION ELECTRON MICROSCOPY  
HIGH-STRENGTH SILICON NITRIDE SINTERED BODY  
HIGH-TEMPERATURE CERAMIC ARTICLES HAVING CORROSION  
HIGH-TEMPERATURE DEFORMATION AND FRACTURE PROCESSES IN  
HIGH-TEMPERATURE FATIGUE OF GAS-PRESSURE-SINTERED  
HIGH-TEMPERATURE RESISTANT SILICON NITRIDE CERAMIC  
HIGH-TOUGHNESS SILICON NITRIDE MATERIALS FROM  
HYDROLYSIS-ASSISTED SOLIDIFICATION (HNAS): A NEW  
ILV SEMICONDUCTOR GATE STRUCTURE AND METHOD OF  
IMPROVED AQUEOUS DISPERSION OF SILICON NITRIDE WITH  
IMPROVED LINING FOR ALUMINUM PRODUCTION FURNACE  
IMPROVEMENT OF CUTTING PERFORMANCE OF SILICON NITRIDE  
INCREASE OF OXYGEN CONTENT IN Si<sub>3</sub>N<sub>4</sub> POWDER DURING BALL  
INDENTATION FRACTURE ASSESSMENT OF RESIDUAL STRESS IN  
INDIUM ANTIMONIDE (InSb) PHOTODETECTOR DEVICE AND  
"INERT" STRENGTHS OF SILICON NITRIDE CERAMICS AT  
INFLUENCE OF ANNEALING ON RESIDUAL STRESS INTENSITY OF  
INFLUENCE OF GRINDING PARAMETERS ON  
INFLUENCE OF HEAT TREATMENT ON CREEP BEHAVIOUR OF A  
INFLUENCE OF LUBRICATION ON TRIBOLOGICAL PROPERTIES OF  
INFLUENCE OF MOLYBDENUM SILICIDE ADDITIONS ON  
INFLUENCE OF PROCESS CONDITIONS ON THE SURFACE  
INFLUENCE OF SLIP PREPARATION PROCEDURES ON THE  
INFLUENCE OF THE BINDER ON THE PROPERTIES OF THE  
INFLUENCE OF THE GRAIN-BOUNDARY PHASE AMOUNT ON  
INFLUENCE OF THE METAL WORKPIECE ON THE RESIDUAL  
INFLUENCE OF THERMAL TREATMENT ON THE CREEP BEHAVIOUR  
INJECTION MOULDED Si<sub>3</sub>N<sub>4</sub> STRUCTURAL COMPONENTS  
INNOVATIVE KILN FURNITURE FOR FAST FIRING OF  
IN-SITU DEVELOPMENT OF A SILICON NITRIDE/AMORPHOUS  
INTEGRATED CIRCUIT WITH DIAMOND INSULATOR  
INTEGRATED DUAL LAYER PASSIVATION PROCESS TO SUPPRESS  
INTERACTION OF Si<sub>3</sub>N<sub>4</sub> WITH Fe-Cr ALLOY UNDER N<sub>2</sub>  
INTERFACE STRUCTURE OF A CHLORINE-DOPED Si<sub>3</sub>N<sub>4</sub> STUDIED  
INTERLABORATORY VERIFICATION OF SILICON NITRIDE  
INTERMETAL DIELECTRIC STRUCTURE WHICH COMBINES  
INTERPOLY DIELECTRIC STRUCTURE IN EPROM DEVICE  
INVESTIGATION ON THE MICROSTRUCTURAL ASPECTS OF Si<sub>3</sub>N<sub>4</sub>  
JAPAN THINKS SMALL FOR BIG RESULTS  
JOINING NITRIDE CERAMICS  
  
JOINT STRENGTH AND INTERFACIAL MICROSTRUCTURE IN  
KINETICS OF SILICON MONOXIDE AMMONOLYSIS FOR NANOPHASE  
KINETICS OF THERMAL OXIDATION OF SILICON NITRIDE  
LAYERED Si<sub>3</sub>N<sub>4</sub> COMPOSITES WITH ENHANCED ROOM  
LOCOS METHOD WITH DOUBLE POLYSILICON/Si<sub>3</sub>N<sub>4</sub> SPACER  
LOCOS TECHNOLOGY WITH REDUCED JUNCTION LEAKAGE  
LOW DENSITY Si<sub>3</sub>N<sub>4</sub>-CONTAINING BEADS, AGGREGATES  
LOW PRESSURE CHEMICAL VAPOUR DEPOSITION OF SILICON  
LOW-FRICTION CERAMICS  
LOW-TEMPERATURE OXIDATION OF SILICON NITRIDE BY WATER  
MACHINING OF GREEN Si<sub>3</sub>N<sub>4</sub> POLYMER BONDED CERAMIC  
MAGNETO-OPTICAL RECORDING MEDIUM  
MANUFACTURING METHOD OF SEMICONDUCTOR DEVICE WHICH  
MATERIAL REMAINS AND DAMAGE FORMATION MECHANISMS IN  
MATERIALS FROM LOW COST SILICON NITRIDE POWDERS  
MECHANICAL BEHAVIOUR OF Al<sub>2</sub>O<sub>3</sub>/MgO DOPED SILICON  
MECHANICAL PROPERTIES OF SILICON NITRIDE WITH  
MECHANICAL PROPERTIES OF SINGLE-CRYSTAL ALPHA-Si<sub>3</sub>N<sub>4</sub>  
MEMBRANE DIELECTRIC ISOLATION IC FABRICATION  
  
MEMBRANE DIELECTRIC ISOLATION TRANSISTOR FABRICATION  
METALLISATION OF Si<sub>3</sub>N<sub>4</sub> SURFACE BY MOLTEN SALT REACTION  
METHOD AND DUMMY DISC FOR UNIFORMLY DEPOSITING SILICON  
METHOD FOR FABRICATING A SEMICONDUCTOR DEVICE WITH  
METHOD FOR FORMING A CAPACITOR OF A SEMICONDUCTOR  
METHOD FOR FORMING Si<sub>3</sub>N<sub>4</sub> FILM HAVING LOW LEAKAGE  
METHOD FOR MAKING CIRCULAR TUBULAR CHANNELS WITH TWO  
METHOD FOR MANUFACTURING CONTACT STRUCTURE CAPABLE OF  
METHOD FOR MANUFACTURING A LOW VOLTAGE DRIVEN FILM  
METHOD FOR MANUFACTURING SEMICONDUCTOR DEVICE  
METHOD FOR MANUFACTURING SEMICONDUCTOR DEVICE HAVING  
METHOD FOR MANUFACTURING A SEMICONDUCTOR MEMORY CELL  
METHOD FOR PASSIVATING INNER SURFACES OF CHEMICAL  
METHOD FOR PREPARING SILICON NITRIDE BASED CERAMICS  
METHOD FOR PRODUCING HIGH DENSITY SINTERED SILICON  
METHOD FOR PRODUCING HIGH-DENSITY SINTERED SILICON  
  
76-03176C  
76-08149A  
76-08663A  
76-04243A  
76-06222A  
76-08664A  
76-01747A  
76-01748A  
76-01458A  
76-01871C  
76-04246A  
76-05377A  
76-08367A  
76-01750A  
76-02269A  
76-08151A  
76-08669A  
76-01796P  
76-04560P  
76-04248A  
76-05541P  
76-08227A  
76-08078P  
76-02395A  
76-05911P  
76-05912P  
76-05053A  
76-02080P  
76-01752A  
76-04253A  
76-08671C  
76-02201A  
76-03702A  
76-03706A  
76-06009C  
76-03710A  
76-08163A  
76-06320A  
76-01755A  
76-01756A  
76-08674A  
76-05854A  
76-08152A  
76-03311P  
76-05545P  
76-01366C  
76-05547P  
76-09015P  
76-08675A  
76-01757A  
76-08676A  
76-06358P  
76-09015P  
76-06234A  
76-02277A  
76-02312P  
76-01947C  
76-03712A  
76-05549P  
76-04329A  
76-01423P  
76-08678A  
76-06235A  
76-05929A  
76-07746P  
76-06236A  
76-08681C  
76-04458A  
76-06216A  
76-08682A  
76-02235A  
76-06238A  
76-06329C  
76-01953A  
76-08683A  
76-01230C  
76-08684C  
76-08173A  
76-05269A  
76-08775A  
76-07748P  
76-03315P  
76-08174A  
76-08685A  
76-08285A  
76-07483P  
76-05496P  
76-02220A  
76-08686A  
76-01018C  
76-03720A  
76-05866A  
76-03978A  
76-03979A  
76-04463A  
76-07754P  
76-09021P  
76-09022P  
76-03727A  
76-08687P  
76-01762A  
76-03728A  
76-03498P  
76-03319P  
76-05560P  
76-03840P  
76-07493P  
76-04588P  
76-07773P  
76-07775P  
76-05566P  
76-08043P  
76-07779P  
76-03732C  
76-06648P  
76-09050P  
76-08651P  
  
METHOD FOR PRODUCING SILICON NITRIDE BASED MEMBER  
METHOD FOR PRODUCING SILICON NITRIDE/SILICON CARBIDE  
METHOD OF FABRICATING SEMICONDUCTOR DEVICE HAVING  
METHOD OF FABRICATING SEMICONDUCTOR DEVICES AND  
METHOD OF FABRICATING SOLID-STATE RADIATION IMAGER  
METHOD OF FORMING VERTICAL-TYPE DOUBLE DIFFUSED  
METHOD OF FORMING AN ULTRATHIN DIELECTRIC FILM FOR A  
METHOD OF FORMING A CIRCUIT MEMBRANE WITH A  
METHOD OF FORMING CONCURRENT TPO OXIDES USING  
METHOD OF FORMING A MICROSTRUCTURE WITH BARE SILICON  
METHOD OF FORMING SEMICONDUCTOR MEMORY DEVICE BY  
METHOD OF FORMING A STACK CAPACITOR OF FIM STRUCTURE  
METHOD OF MACHINING SILICON NITRIDE CERAMICS AND  
METHOD OF MAKING IN SITU GROWN WHISKER-REINFORCED  
METHOD OF MAKING SELF-ALIGNED HALO PROCESS FOR  
METHOD OF MAKING SEMICONDUCTOR DEVICE HAVING THIN FILM  
METHOD OF MAKING SEMICONDUCTOR DEVICE WITH MULTIPLE  
METHOD OF MANUFACTURING A COMPOSITE SINTERED BODY  
METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE  
METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE  
  
76-06654P  
76-02108P  
76-07792P  
76-03325P  
76-04602P  
76-08045P  
76-07498P  
76-05501P  
76-09060P  
76-07078P  
76-07782P  
76-08084P  
76-08048P  
76-04605P  
76-04609P  
76-04610P  
76-07806P  
76-03332P  
76-02128P  
76-08052P  
76-05589P  
76-07813P  
76-08059P  
76-05592P  
76-09069P  
76-06684P  
76-04620P  
76-06689P  
76-07078P  
76-01766C  
76-04268C  
76-06245A  
76-04334A  
76-06259A  
76-04269A  
76-09250A  
76-08697A  
76-08699C  
76-04334A  
76-04627P  
76-01505A  
76-06249C  
76-06251A  
76-04334A  
76-08106P  
76-01250A  
76-04273A  
76-06701P  
76-08697A  
76-07822P  
76-06040C  
76-08834A  
76-08192A  
76-04334A  
76-04274C  
76-04275A  
76-08708A  
76-08709A  
76-06704P  
76-06254A  
76-06046C  
76-06712P  
76-01771A  
76-06256C  
76-08697A  
76-03733A  
76-04480A  
76-01809P  
76-09261A  
76-04642P  
76-03143P  
76-04644P  
76-07834P  
76-04650P  
76-08697A  
76-07835P  
76-05889A  
76-05890A  
76-03343P  
76-04644P  
76-01776A  
76-02166P  
76-06259C  
76-00181P  
76-04644P  
76-00815A  
76-00132A  
76-06050P  
76-08718A  
76-06264A  
76-04290A  
76-01780C  
76-04396A  
76-04663P  
76-08722C  
76-08103P  
76-06763P  
76-03344P  
76-00865P  
76-05612P  
76-07848P  
76-03347P  
76-05620P  
76-03350P  
76-07862P  
76-04291A  
76-07334A  
76-06265C  
76-02170P  
76-09127P  
76-06264A  
76-05768P  
76-04667P  
76-02313P  
76-06073C  
76-04021C  
76-06769P  
76-03351P  
76-04848P  
76-06288P  
76-04293C  
76-04294A  
76-04668P  
76-06366P  
76-02172P  
76-05367P  
76-0515P  
76-06771P

- SINTERED COMPOSITE OF SILICON CARBIDE AND SILICON  
SINTERED SILICON NITRIDE OF HIGH TOUGHNESS, STRENGTH  
SINTERED SILICON NITRIDE-BASED BODY  
SLIDE MEMBER AND METHOD OF MANUFACTURING THE SAME  
SLIP CASTING OF SILICON NITRIDE  
SLURRY PREPARATION FOR SPRAY-DRYING PROCESS  
SOI SEMICONDUCTOR DEVICE AND METHOD OF PRODUCING SAME  
SOLID FREEFORM FABRICATION USING GAS PRECURSORS:  
SOLID-STATE BATTERY USING A HYDROGENATED SILICON  
SOLID-STATE BONDING OF SILICON-NITRIDE CERAMICS TO  
SOLUTION-PRECIPITATION PROCESS IN CREEP AND  
STRAIN TOLERANT POROUS SILICON NITRIDE  
STRESS ANALYSIS OF CONTACT DEFORMATION IN  
STRESS ANALYSIS OF Si3N4 SWIRL CHAMBER DURING THERMAL  
STRUCTURAL INVESTIGATIONS OF SiC-N CERAMICS FROM  
STUDY OF THE SUPERPLASTIC BEHAVIOUR OF VARIOUS Si3N4  
STUDY ON PROCESS FACTORS OF FINE Si3N4 CONTINUOUSLY  
SUBMICRON BONDED SOI BY TRENCH PLANARIZATION  
SUPERPLASTIC Si3N4 SINTERED BODY  
SURFACE OXIDATION OF Si3N4 GREEN COMPACTS: EFFECT OF  
SURFACE TREATMENT METHOD FOR QUARTZ MATERIAL  
SYNTHESIS OF MICROPOROUS CERAMICS  
TaNiFe/TaN ANISOTROPIC MAGNETIC SENSOR ELEMENT  
TEMPERATURE DEPENDENCE OF IMPACT DAMAGE IN A Si3N4  
THERMAL CONDUCTIVITY OF GAS-PRESSURE-SINTERED SILICON  
THIN-FILM CAPACITORS ON GALLIUM ARSENIDE SUBSTRATE AND  
THREE-DIMENSIONAL SEMICONDUCTOR CIRCUIT STRUCTURE WITH  
TIE EFFECT ON MICROSTRUCTURE AND STRENGTH OF  
TUNABLE THIN-FILM ACOUSTIC RESONATORS AND METHOD FOR  
TWO-STEP METHOD TO OBTAIN SUPERPLASTIC SILICON NITRIDE  
ULTRASONIC MACHINING OF SILICON NITRIDE AND SYNTHETIC  
ULTRASONIC-ASSISTED GRINDING OF HIGH PERFORMANCE  
UV-ENHANCED DRY STRIPPING OF SILICON NITRIDE FILMS  
WETTING OF Si3N4 BY THE LIQUID Cr-CONTAINING ALLOYS  
XPS ANALYSIS OF GRINDING SOI METHOD EFFECT FOR SURFACE  
XPS AND THERMOGRAVIMETRIC STUDY OF OXIDISED AIN AND  
SILICON ON INSULATOR  
DEEP TRENCH DRAM PROCESS ON SOI FOR LOW LEAKAGE DRAM  
LATERAL THIN-FILM SOI DEVICES WITH LINEARLY GRADED  
METHOD AND APPARATUS FOR SOI TRANSISTOR  
METHOD FOR PRODUCING SEMICONDUCTOR DEVICE  
METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE HAVING  
METHOD OF TREATING SILICON TO OBTAIN THIN, BURIED  
PROCESS FOR STRIPPING OUTER EDGE OF BESOI WAFERS  
PROCESSING METHOD FOR FORMING DISLOCATION-FREE SOI AND  
SEMICONDUCTOR DEVICE HAVING AN SOI STRUCTURE  
SEMICONDUCTOR DEVICE HAVING AN SOI STRUCTURE OF MESA  
SEMICONDUCTOR DEVICE HAVING SOI STRUCTURE AND  
SEMICONDUCTOR DEVICE ON AN SOI SUBSTRATE  
SEMICONDUCTOR MEMORY AND SEMICONDUCTOR DEVICE HAVING  
SOI SEMICONDUCTOR DEVICE AND METHOD OF PRODUCING SAME  
SOI SUBSTRATE AND METHOD OF PRODUCING THE SAME  
SOI SUBSTRATE FABRICATION  
SUBMICRON BONDED SOI BY TRENCH PLANARIZATION  
SILICON OXYCARBIDE  
29Si MAS NMR INVESTIGATION OF THE PYROLYSIS PROCESS OF  
AMORPHOUS SILICON OXYCARBIDE COATED SILICON CARBIDE ON  
CONTACT PHENOMENA AND INTERACTIONS IN THE SYSTEM  
EFFECT OF RAPID HEAT TREATMENTS ON ELECTRICAL  
ELECTRON PARAMAGNETIC RESONANCE INVESTIGATION OF  
GEL PRECURSOR TO SILICON OXYCARBIDE GLASSES WITH  
MAS-NMR INVESTIGATION OF SILICON OXYCARBIDE  
MECHANICAL CHARACTERISATION OF SOL-GEL-DERIVED SILICON  
POROUS SILICON OXYCARBIDE GLASSES  
PYROLYSIS STUDY OF METHYL-SUBSTITUTED Si-H CONTAINING  
PYROLYTIC CONVERSION OF POLY(METHYLSILOXANE) TO  
Si-O-C GLASSES FROM GELS  
SYNTHESIS OF AN INORGANIC/ORGANIC NETWORK POLYMER BY  
THERMAL BEHAVIOUR OF (ORGANOSILICON) POLYMER-DERIVED  
XPS CHARACTERISATION OF GEL-DERIVED SILICON OXYCARBIDE  
SILICON OXYCARBONITRIDE  
THERMAL BEHAVIOUR OF (ORGANOSILICON) POLYMER-DERIVED  
SILICON OXYNITRIDE  
CHARACTERISTICS OF OXYNITRIDE MOS CAPACITOR PREPARED  
DEPOSITION OF SILICON NITRIDES BY PLASMA-ENHANCED  
EFFECTS OF AMBIENT GASES ON THE FORMATION OF SiOxNy  
FACTORS AFFECTING MECHANICAL PROPERTIES OF SILICON  
PROCESS FOR MANUFACTURING A SEMICONDUCTOR SUBSTRATE  
PRODUCTION OF SILICON NITRIDE MATERIALS OF HIGH  
SURFACE TREATMENT METHOD FOR QUARTZ MATERIAL  
SILICON-ON-INSULATOR  
IMPACT OF FLOATING-BODY-INDUCED PARASITIC BIPOLAR  
SIMPLE METHOD TO EXTRACT THE LENGTH DEPENDENT MOBILITY  
SILICONNITRIDE  
SYNTHESIS AND PYROLYSIS OF POLYBOROSILAZANE WITH LOW  
SILICONS  
NON-FIBROUS INORGANIC PARTICLES IN BRONCHIOALVEOLAR  
SILLIMANITE  
CARBOTHERMAL REDUCTION OF SILLIMANITE  
MARKET OVERVIEW - SILLIMANITE MINERALS  
REACTION OF SILLIMANITE WITH ALUMINA AT ELEVATED  
SILOXANES  
HYDROSILOXANES AS PRECURSORS TO CERAMIC PRODUCTS  
IN SITU GENERATION OF SILICA REINFORCEMENT IN MODIFIED  
SILVER  
ALTERNATE SYNTHETIC METHOD FOR MIXED METAL OXIDE  
ANTIMICROBIAL PARTICLES OF SILVER AND BARIUM SULPHATE  
CERAMIC MULTILAYER WIRING BOARD  
COMPOSITIONAL DEPENDENCE OF THE PHOTOINDUCED SURFACE  
DUAL SILVER LAYER LOW-E GLASS COATING SYSTEM AND  
INDUCED CURRENTS IN Bi-(2223) SUPERCONDUCTING TAPES IN  
LITHIUM-SILVER OXIDE BATTERY AND LITHIUM-MERCURIC  
LOCAL STRUCTURE AND ELECTRICAL RESPONSE OF Ru AND Rh  
LOW-TEMPERATURE FIRED CERAMIC CIRCUIT SUBSTRATE AND  
LOW-TEMPERATURE GLASS PASTE WITH IMPROVED THERMAL  
MATERIAL FOR ELECTRIC CONTACTS TAKING SILVER-TIN OXIDE  
METHOD OF MANUFACTURING AN ENCASED WIRE OF HIGH  
MODEL ANALYSES OF THERMAL CONDUCTIVITY AND PURITY OF  
MULTILAYERED CONDUCTIVE FILM, AND TRANSPARENT  
OXIDE SUPERCONDUCTIVE FILM AND PROCESS FOR  
PHOTOINDUCED SURFACE DEPOSITION OF METALLIC SILVER IN  
PROCESS FOR BONDING A CONTACT LAYER OF SILVER-METAL  
REFRACTORY OXIDE BASED SILVER-TUNGSTEN LEAN NOx  
RUTHERFORD BACKSCATTERING AND KINETICS STUDY OF THE  
SILVER ADDITIVES FOR CERAMIC SUPERCONDUCTORS  
SUPERCONDUCTOR ELEMENT AND METHOD OF MANUFACTURING THE  
TEM CHARACTERISATION OF METALLIC NANOPARTICLES  
VACUUM TUBE COMPRISING A CERAMIC ELEMENT AND A METHOD  
SINGLE CRYSTALS  
3C-SIC INCLUSIONS IN 4H-SIC EPILAYERS ON 4H-SIC  
CONVERSION OF DOPED POLYCRYSTALLINE MATERIAL TO SINGLE  
GROWTH OF BULK AIN AND GaN SINGLE CRYSTALS BY  
HOLLOW-CORE SCREW DISLOCATIONS IN 6H-SIC SINGLE  
MAGNETIC VORTEX STATE OF ALIGNED (Bi,Pb)2Zr2Cu3Ox



- EFFECT OF OXIDE IMPURITIES ON THE MICROSTRUCTURE AND EFFECT OF PARTICLE INTERACTIONS ON THE COLLOIDAL EFFECT OF PARTICLE SIZE ON THE SINTERING OF AL<sub>2</sub>O<sub>3</sub> EFFECT OF PARTICLE-SIZE DISTRIBUTION ON THE EFFECT OF PHOSPHOR DOPING ON THE MICROSTRUCTURE AND EFFECT OF PROCESS ATMOSPHERE ON THE INTERGRANULAR EFFECT OF RARE EARTH OXIDES AND SILICA ON SINTERING EFFECT OF SINTERING ATMOSPHERE ON THE MICROSTRUCTURE AND EFFECT OF SINTERING PERIODS ON THE MICROSTRUCTURE AND EFFECT OF SINTERING TEMPERATURE ON THE STRUCTURE OF EFFECT OF SiO<sub>2</sub> ADDITIVE ON REACTION SINTERING OF EFFECT OF SiO<sub>2</sub> AND TiO<sub>2</sub> ADDITION ON THE EXAGGERATED EFFECT OF A SMALL AMOUNT OF SiO<sub>2</sub> ON THE REACTION EFFECT OF SMALL AMOUNTS OF ADDITIVES ON THE SINTERING EFFECT OF SODIUM SILICATE ON THE PROCESSING OF EFFECT OF THE ADDITION OF ALPHA-Fe<sub>2</sub>O<sub>3</sub> ON THE EFFECT OF TiO<sub>2</sub> ADDITIONS ON THE SINTERING AND EFFECT OF TiO<sub>2</sub> DOPING ON RAPID DENSIFICATION OF EFFECT OF TYPE OF RARE EARTH OXIDE ADDITIVE ON THE EFFECT OF WEIGHT LOSS ON LIQUID-PHASE-SINTERED SILICON EFFECT OF WETTABILITY OF GRAINS BY A LIQUID PHASE ON EFFECT OF ZrO<sub>2</sub> AND Cr<sub>2</sub>O<sub>3</sub> ADDITION ON SOFTENING AND EFFECTS OF ADDITION OF Na<sub>2</sub>O, SnO<sub>2</sub>, CaO, AND ZrO<sub>2</sub> ON EFFECTS OF ATMOSPHERE ON SINTERING OF ALUMINA EFFECTS OF CaO ADDITION ON SINTERING AND MECHANICAL EFFECTS OF Ca ADDITION AND DIFFERENT SINTERING EFFECTS OF EXCESS PbO AND BALL-MILLING ON THE EFFECTS OF FURNACE ATMOSPHERE AND VDO<sub>2</sub> ADDITION ON EFFECTS OF NaF UPON SINTERING TEMPERATURE OF EFFECTS OF REDUCTION OF THE Al-Y-O CONTAINING EFFECTS OF SHAPE AND SIZE OF INCLUSIONS ON THE EFFECTS OF TiO<sub>2</sub> ON THE MICROSTRUCTURE AND MECHANICAL ELABORATION OF TRANSPARENT PLZT CERAMICS BY AN ELABORATION OF ULTRAFINE MULLITE POWDER AND STRONG ELECTROPHORETIC FORMING OF SILICON CARBIDE CERAMICS EMI FILTER WITH A CERAMIC MATERIAL HAVING A CHEMICAL ENHANCED DIFFUSION IN SAPPHIRE DURING MICROWAVE ENHANCEMENT OF THE CRITICAL PARAMETERS OF Bi-2212 EROSION-RESISTANT TITANIUM CARBIDE COMPOSITES AND EVOLUTION OF SHAPE OF DIE-PRESSED CERAMIC COMPACTS EXOTHERMIC DEVICE FOR PROVIDING SUBSTANTIALLY CONSTANT FABRICATION AND SINTERING OF FINE YTTRIA-DOPED CERIA FABRICATION OF 3Y-TZP/SiC FIBRE REINFORCED CERAMICS FABRICATION OF CONTINUOUS FIBRE REINFORCED CERAMICS FABRICATION OF ELECTRICALLY CONDUCTIVE TiB<sub>2</sub>-BN-AIN FABRICATION OF MULTIPHASE SOLID SOLUTION CERAMICS FABRICATION OF TiC REINFORCED METAL MATRIX COMPOSITES FABRICATION OF TRANSPARENT SPINEL POLYCRYSTALLINE FAST FIRING: SINTERING UNDER THERMAL GRADIENTS FDC, RAPID FABRICATION OF STRUCTURAL COMPONENTS FIBROUS GROWTH OF TRICALCIUM PHOSPHATE CERAMICS FINE GRAINED BaTiO<sub>3</sub> CERAMICS FROM POWDERS ELABORATED FINE POWDER SYNTHESIS AND SINTERING FORMATION OF AIN AND 15R PHASE IN THE CARBOTHERMIC FORMATION OF ALPHA-AI<sub>2</sub>O<sub>3</sub> FROM Al(OH)<sub>3</sub> IN THE PRESENCE FORMATION OF ALPHA-AI<sub>2</sub>O<sub>3</sub> IN THE TEMPERATURE RANGE FORMATION OF AN ALUMINA-MULLITE COMPOSITE VIA REACTION FUNDAMENTALS OF SINTERING DOLOMITE GLASS-ADDED STRONTIUM FERRITE OF HIGH COERCIVITY GOVERNMENT AND INDUSTRY USE COMPUTER MODELLING TO GRAIN BOUNDARY-FREE CRYSTALLINE BODY OF GRAIN GROWTH DURING CHR SINTERING OF ZnO IN WATER GRAIN GROWTH IN THE MnO ADDED ZnO-6 wt% SnO<sub>2</sub> CERAMIC GRAPHITE-LOADED SILICON CARBIDE HANDFACING COMPOSITION FOR EARTH BORING BITS HEXAGONAL Ba-FERRITE SINTERED MAGNET, ITS MAKING HIGH IONIC CONDUCTIVITY AND HIGH FRACTURE STRENGTH OF HIGH PRESSURE COMPACTION AND SINTERING OF NANO-SIZE HIGH STRENGTH STABILIZED ZIRCONIA FOR SOLID HIGH THERMAL CONDUCTIVITY ALUMINUM NITRIDE SUBSTRATES HIGH-PERFORMANCE CERAMIC COMPOSITES CONTAINING HIGH-PRESSURE PHASE BORON NITRIDE SINTERED BODY FOR HIGH-PRESSURE SINTERING OF NANOCRYSTALLINE GAMMA-AI<sub>2</sub>O<sub>3</sub> HIGH-PURITY, OPTICALLY TRANSPARENT, METHOD FOR PRODUCING HIGH-STRENGTH SILICON NITRIDE SINTERED BODY HOT PRESS SINTERING OF BETA-SiC HYDROSTATIC PRESSING OF GLASS POWDER MATERIALS HYDROTHERMAL SYNTHESIS AND SINTERING OF FINE POWDERS HYDROTHERMAL SYNTHESIS OF BARIUM TITANATE POWDERS FROM IMPROVED MICROSTRUCTURE IN MULTILAYER CERAMIC IN SITU FORMATION OF SILICON COMPOSITE PHASES IN SITU OBSERVATION OF CERAMIC TILES BODY BATCHES IN SITU SURFACE NITRIDATION OF ZrO<sub>2</sub> CERAMICS INCREASING THE STRENGTH OF BARIUM DURING PRODUCTION OF INFLUENCE OF ZrO<sub>2</sub> ADDITION ON THE SINTERING BEHAVIOUR INFLUENCE OF ALUMINUM TITANATE FORMATION ON SINTERING INFLUENCE OF CHARACTERISTICS OF ADDITIVE Al<sub>2</sub>O<sub>3</sub> POWDERS INFLUENCE OF Fe-W DOPING IONS ON THE MANUFACTURING AND INFLUENCE OF FORMING TECHNIQUE ON THE SiC-PLATELET INFLUENCE OF MINERALISERS ON THE SINTERING OF INFLUENCE OF POWDER CHARACTERISTICS ON SINTERABILITY INFLUENCE OF PRECURSORS AND SYNTHETIC CONDITIONS ON INFLUENCE OF SILICA CONTENT ON LIQUID PHASE SINTERING INFLUENCE OF SINTERING ADDITIVES ON THE HUMIDITY INFLUENCE OF SnO ON THE SINTERING BEHAVIOUR OF TIN INFLUENCE OF THE DISPERSANTS IN GELCASTING OF INFLUENCE OF THE SUBSTITUTIONAL SITE OF Cd<sub>2</sub> ON INFLUENCE OF TiO<sub>2</sub> ADDITION ON SINTERING INFLUENCES OF POWDER PREPARATION ROUTES ON THE INFRARED TRANSMISSION OF SINTERED 3 MOL% ZrO<sub>2</sub>-ZrO<sub>2</sub> GEL INNOVATIVE FIRING UNIT FOR FERRITE PRODUCTION IN-SITU DEVELOPMENT OF A SILICON NITRIDE/AMORPHOUS INTERGRANULAR MICROSTRUCTURE OF LIQUID PHASE SINTERED INTERMEDIATE FOR PRODUCING POROUS SILICON CARBIDE INTERNAL OXIDATION OF Co<sub>3</sub>-BaTiO<sub>3</sub> SOLID SOLUTIONS INVESTIGATION OF Al<sub>2</sub>O<sub>3</sub>/C<sub>2</sub>O<sub>2</sub> COMPOSITES PREPARED BY INVESTIGATION OF SnO<sub>2</sub> DEFECT CHEMISTRY IN RELATION INVESTIGATION OF THE CHEMICAL SYNTHESIS AND INVESTIGATION OF THE SINTERING PROCESS OF INJECTION IONIC AND ELECTRONIC SENSITIVITY OF Mn- AND Nb-DOPED IONIC CONDUCTIVITY AND SINTERABILITY OF NASICON-TYPE KINETICS AND OPTIMISATION OF TEMPERATURE AND TIME KINETICS OF THE SINTERING OF COMPACTED ITEMS FROM LAYERED COMPOSITE CARBIDE PRODUCT AND METHOD OF LIME ACTIVATED FINE POWDER PREPARATION AND PROCESSING LIQUID PHASE ASSISTED SINTERING OF La<sub>2</sub>O<sub>3</sub>: PROCESSING LIQUID PHASE SINTERED SILICON CARBIDE: PRODUCTION LIQUID PHASE SINTERING IN (Ca<sub>2</sub>Co)-DOPED LANTHANUM LIQUID PHASE SINTERING OF SILICON CARBIDE LOW DENSITY Si<sub>3</sub>N<sub>4</sub>-CONTAINING BEADS, AGGREGATES LOW TEMPERATURE FULLY DENSIFIED NANOSTRUCTURED Y-TZP LOW-FIRE DIELECTRIC FORMULATIONS BASED ON BaCuO<sub>2</sub> AS A LOW-TEMPERATURE SINTERING AND HIGH THERMAL LOW-TEMPERATURE SINTERING OF 0.99 SnO<sub>2</sub>-0.01 Cu<sub>2</sub>O LOW-TEMPERATURE SINTERING OF SILICON CARBIDE WITH 76-04096C 76-06298C 76-02643A 76-08803A 76-03374C 76-01747A 76-00431A 76-01748A 76-03256A 76-06120C 76-04398A 76-07900A 76-01749A 76-08481A 76-02599C 76-06121A 76-06122C 76-04100A 76-06224C 76-08667A 76-03378A 76-00279A 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- 76-04568P  
76-08460A  
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76-03511A  
76-05836A  
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76-08472C  
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76-04384C  
76-04274C  
76-04385C  
76-06482C  
76-03414C  
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76-04003A  
76-04478A  
76-06437C  
76-08399A
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ROLE OF LOCAL BOND OF LOCAL BOND OF LOCAL BOND OF LOCAL BOND  
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SOL-GEL PROCESSING
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76-01892A

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29Si MAS NMR STUDY OF THE STRUCTURE OF CALCIUM  
29Si NMR ANALYSIS OF REACTIONS BETWEEN  
29Si NMR STUDY ON CO-HYDROLYSIS PROCESSES IN  
2H NMR STUDY OF HYDROGEN BONDING IN DEUTERATED  
51V NUCLEAR MAGNETIC RESONANCE STUDIES OF FAST AQUEOUS  
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ON-LINE SPECTROSCOPIC STUDY OF GROUP IV ALKOXIDES  
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OPTICAL PROPERTIES OF P<sub>3</sub>-IONS IN LITHIUM BORATE  
OPTICAL SPECTROSCOPY OF Cd<sub>3</sub>, Tb<sub>3</sub> AND Eu<sub>3</sub> IN NEW  
OPTICALLY RANDOM WALK IN OXIDE LATTICE  
PHOTOEMISSION STUDY OF THE YBaCu<sub>3</sub>O<sub>7-x</sub>-Au COMPOSITE  
PHOTOLUMINESCENCE, REFLECTANCE, AND  
POLYMERISED COMPLEX ROUTE TO BARIUM TITANATE POWDERS  
POLYMERISED COMPLEX ROUTE TO THE SYNTHESIS OF  
POSITRON ANNIHILATION LIFETIME STUDY OF  
PREPARATION AND CHARACTERISATION OF AMORPHOUS LiNbO<sub>3</sub>  
PREPARATION AND CHARACTERISATION OF GAMMA-Ni<sub>2</sub>Fe<sub>2</sub>O<sub>4</sub>  
PREPARATION AND OPTICAL PROPERTIES OF TRANSPARENT  
PREPARATION, CHARACTERISATION AND SURFACE STRUCTURE OF  
PROBING 3-D STRUCTURAL DISTORTIONS AND COORDINATION  
PROBING OF PHOSPHATE NETWORK STRUCTURE OF AN ALUMINA  
PROPERTIES AND STRUCTURES OF TiO<sub>2</sub> BASED GLASSES  
PYROLYSIS CHEMISTRY OF POLYISLAZANE PRECURSORS TO  
QUANTITATIVE PHASE ANALYSIS IN TETRAGONAL-RICH  
RAMAN SPECTRA OF Bi-Sr-Ca-Cu-O HIGH TEMPERATURE  
RAMAN SPECTROSCOPIC CHARACTERISATION OF ZrO<sub>2</sub> AND  
RAMAN SPECTROSCOPIC INVESTIGATIONS OF DICALCIUM  
RAMAN SPECTROSCOPIC INVESTIGATIONS OF THE STRUCTURE OF  
RAMAN STUDIES ON PbTiO<sub>3</sub> THIN FILMS BY MODIFIED SOL-GEL  
REDOX TREATMENT OF AN Fe<sub>2</sub>O<sub>3</sub> FILLED MONTMORILLONITE  
Si-Al-O-C GLASSES FROM GELS  
SIMS AND RBS ANALYSIS OF LEACHED GLASS: RELIABILITY OF  
Si-O-C GLASSES FROM GELS  
SMALL-SIGNAL DEEP-LEVEL TRANSIENT SPECTROSCOPY AS A  
SOL-GEL SYNTHESIS AND NMR CHARACTERISATION OF CERAMICS  
SOLID SOLUTION Ba<sub>1-x</sub>Ca<sub>x</sub>PO<sub>4</sub> (x LESS THAN OR EQUAL TO  
SOLID SOLUTIONS WITH RUTILE STRUCTURE  
SOLID-STATE NMR CHARACTERISATION OF BETA-SIALONS FROM  
SPECTROCHEMICAL ANALYSIS OF ARCHAEOLOGICAL TERRA-COTTA  
SPECTROSCOPIC AND MICROSTRUCTURAL ANALYSIS OF PHASE  
SPECTROSCOPIC COMPARISON OF YBCO SUPERCONDUCTORS  
SPECTROSCOPIC PROPERTIES OF Bi<sub>2</sub> IN FLUOROZIRCONATE  
SPECTROSCOPIC PROPERTIES OF Er<sub>2</sub> IN FLUOROZIRCONATE  
SPECTROSCOPIC STUDIES OF Cr-DOPED SILICA GELS  
SPECTROSCOPY OF InP<sub>3</sub>-BASED GLASSES CONTAINING A LARGE  
SPM AND XPS CHARACTERISATION OF THE CORROSION  
STRESS DISTRIBUTION IN FIBRE BRIDGED CRACKS IN CERAMIC
- 76-08340A  
76-00016A  
76-01149A  
76-08341A  
76-01434A  
76-04063A  
76-09165A  
76-02590A  
76-01724A  
76-01572A  
76-00017A  
76-01504A  
76-08254A  
76-08803A  
76-07535C  
76-01012A  
76-07055A  
76-04357C  
76-07877A  
76-08258C  
76-05924A  
76-02204A  
76-08096C  
76-04076A  
76-02205A  
76-03834A  
76-09170A  
76-03163C  
76-01735A  
76-03932A  
76-00194A  
76-05991A  
76-02767A  
76-08471A  
76-03047A  
76-06080A  
76-06321A  
76-00912A  
76-05381C  
76-00910A  
76-02550A  
76-07908A  
76-00200A  
76-08412A  
76-00032A  
76-02551A  
76-07067A  
76-05722A  
76-02552A  
76-00201A  
76-07433A  
76-07582C  
76-01605A  
76-08096C  
76-01364A  
76-06231A  
76-06426A  
76-01834C  
76-08096C  
76-08828A  
76-01489A  
76-05863A  
76-06240C  
76-00706A  
76-04131A  
76-07932A  
76-07138C  
76-03984A  
76-08829C  
76-08528A  
76-01368A  
76-08287C  
76-05416A  
76-08830A  
76-04486C  
76-05146A  
76-02558A  
76-06961A  
76-08542A  
76-08528A  
76-09181A  
76-03081C  
76-08922C  
76-07651C  
76-08671A  
76-08550C  
76-02616A  
76-02617A  
76-04702A  
76-05764A  
76-07673C  
76-04000A  
76-03746C  
76-02511A  
76-03420A  
76-04263A  
76-00261A  
76-00956A  
76-09183A  
76-02566A  
76-03426A  
76-08412A  
76-08570A  
76-08059A  
76-05439C  
76-08786A  
76-05146A  
76-03429A  
76-01527A  
76-07094C  
76-08353A  
76-02664C  
76-03282A  
76-03778A  
76-01648A  
76-08353A  
76-06270A  
76-05944A  
76-06075A  
76-05767A  
76-05147A  
76-02625A  
76-08790A  
76-07165C  
76-08848C  
76-09270C
- STRUCTURAL CHEMISTRY OF 8-min<sup>+</sup>-FeO<sub>2</sub>-DELTA, x  
STRUCTURAL STUDIES OF PHOSPHATE GLASSES  
STRUCTURE OF CARBON PRODUCED BY HYDROTHERMAL TREATMENT  
STRUCTURE OF MOLYBDENUM PHOSPHATE GLASSES BY X-RAY  
STRUCTURE OF TERNARY FLUOROZIRCONATE GLASSES  
STRUCTURE OF TITANIUM SILICATE GLASSES INVESTIGATED BY  
STUDIES OF ELECTRICALLY AND RECOMBINATION ACTIVE  
STUDIES OF MOSSBAUER SPECTRUM ON Pb/Fe<sub>2</sub>(2Ti<sub>1</sub>/2Zr)<sub>3</sub>  
STUDY OF THE POROUS STRUCTURE OF HARDENED GYPSUM BY  
STUDY OF TRANSITION METAL ION DOPED MULLITE BY  
SURFACE AND INTERFACE PROPERTIES OF OXIDES EXHIBITING  
SYNTHESIS OF CARBAC AND CHARACTERIZATION OF A NOVEL MICROPOREUS  
SYNTHESIS AND CHARACTERISTIC FEATURE OF  
THERMAL DECOMPOSITION OF  
THERMAL EVOLUTION OF PHOSPHORDIAMIDIC ACID AS A MODEL  
THERMAL REACTIONS OF ALKALI-LEACHED ALUMINOSILICATES  
THERMOCHROMATIC STUDY OF MANGANESE DOUBLE OXIDES  
TIME-RESOLVED SPECTROSCOPY OF THE LUMINESCENCE IN  
ULTRAVIOLET ABSORPTION AND FLUORESCENCE SPECTRA OF  
UNIT-CELL SYMMETRIES AND RAMAN SPECTRA OF CALCIUM- AND  
USE OF OIS CHARGE REFERENCING FOR THE X-RAY  
VIBRATIONAL SPECTROSCOPIC INVESTIGATION OF LEAD  
VOLATILE PRODUCTS FORMED BY CARBOREDUCTION AND  
XPS AND THERMOGRAVIMETRIC STUDY OF OXIDISED AlN AND  
X-RAY ABSORPTION NEAR EDGE STRUCTURES IN COBALT OXIDES  
X-RAY ABSORPTION SPECTROSCOPY OF R<sub>2</sub>BaCuO<sub>5</sub> (R = La, Nd)  
X-RAY ELECTRON SPECTROSCOPIC INVESTIGATION OF THE  
X-RAY INVESTIGATION OF THIN FILMS OF LEAD-SILICATE  
X-RAY PHOTOELECTRON SPECTROSCOPY OF ALKALI TELLURITE
- SPHERES  
SPHERICAL NITRIDE  
SPINEL  
CHEMICAL PROCESSING AND CHARACTERISATION OF  
DEVELOPMENT OF ALUMINA-MAGNESIA CASTABLE FOR STEEL  
EFFECT OF SiO<sub>2</sub> ADDITIVE ON REACTION SINTERING OF  
EFFECT OF SPINEL ADDITION TO CASTABLES FOR BLAST  
EFFECT OF STARTING MATERIALS CHARACTERISTICS ON  
EFFECT OF Ti<sub>4</sub>-IONS ON SOME MAGNETIC PROPERTIES OF  
FORMATION OF TRANSPARENT POLYCRYSTALLINE  
FORMATION AND STABILITY OF GAMMA-ALUMINUM OXYNITRIDE  
FORMLESS CASTING OF CEMENT-FREE CASTABLES  
INFLUENCE OF ADDITIONAL MECHANIC ENERGY ON HIGH  
INFLUENCE OF COARSE AGGREGATE CONTENT ON THE THERMAL  
ISOBUTANE GAS SENSING CHARACTERISTICS OF ZINC-TIN  
LOW-TEMPERATURE SYNTHESIS AND ELECTROCHEMICAL LITHIUM  
MAGNESIO-ALUMINATE SPINEL-A POTENTIAL RAW MATERIAL FOR  
MANGANESE OXIDES PRODUCTION THEREOF, AND USE THEREOF  
MAS NMR EVIDENCE FOR THE PRESENCE OF SILICON IN THE  
METHOD FOR PRODUCTION OF SPINEL SINGLE CRYSTAL  
ON THE PROPERTIES OF MgO-Al<sub>2</sub>O<sub>3</sub> SPINEL CLINKERS  
OPTICAL AND MECHANICAL PROPERTIES OF TRANSPARENT  
PREPARATION AND PROPERTIES OF MAGNESIA-ALUMINA SPINEL  
PROCESSABLE ALUMINOSILICATE ALKOXIDE PRECURSORS FROM  
REFRACTORY CERAMIC MASS AND ITS USE  
SINTERING BEHAVIOUR OF SPINEL WITH TiO<sub>2</sub> ADDITION  
SUPERPLASTIC DEFORMATION OF HIPED MgAl<sub>2</sub>O<sub>4</sub> SPINEL  
SUPERPLASTICITY OF HIP MgO-Al<sub>2</sub>O<sub>3</sub> SPINEL: PROSPECTS FOR  
SYNTHESIS AND CHARACTERISATION OF MgAl<sub>2</sub>O<sub>4</sub> SPINEL BY  
SYNTHESIS OF A MICROPOREOUS MgAl<sub>2</sub>O<sub>4</sub> SPINEL FROM  
SYNTHESIS OF A SPINEL TYPE FERROMAGNETIC  
THICKNESS RATIO OF SPINEL FORMATION AND EXPANSION OF
- SPINELS  
AL<sub>2</sub>O<sub>3</sub>-BASED CERAMIC FOR SINTERING, METHOD OF  
SPODUMENE  
CONTROL OF EXPANSION IN CONCRETE DUE TO ALKALI SILICA  
CONTROLLED PHASE TRANSFORMATION OF SPINEL PARTICLE  
SPODUMENE: A SOURCE OF THE VERSATILE ELEMENT LITHIUM
- SPORTS EQUIPMENT  
COATED GOLF CLUB AND APPARATUS AND METHOD FOR THE  
SPRAY  
ZrO<sub>2</sub> DEPOSITION BY ULTRASONIC SPRAY PYROLYSIS
- SPRAY COATING  
CATHODE PROCESSING BY WET POWDER SPRAYING  
CATHODE SPRAYING ADJUTURE  
EFFECT OF THE MICROSTRUCTURE, PHASE AND CHEMICAL  
INFLUENCE OF THE STARTING STOICHIOMETRY AND ANNEALING  
THIN FILM TECHNIQUES FOR SOLID ELECTROLYTE COMPOSITES
- SPRAY DEPOSITION  
PREPARATION OF LAMINATED CERAMIC COMPOSITES USING  
SPRAY DRYING  
ADVANCES IN SPRAY-DRIED POWDER PROCESSING FOR TILE  
CERAMIC COMPOSITION FOR ABSORBING ELECTROMAGNETIC WAVE  
CYCLONE SPRAY DRIED GRANULATION  
GRAPHITE-LOADED SILICON CARBIDE  
GRAPHITRYAL SPRAY-DRYING OPERATION YIELDING CERAMIC  
MODELLING OF REACTIVE SPRAY DRYING OF PRECURSORS FOR  
OPERATION OF SPRAY-DRYING OF CERAMIC POWDER ON AN  
OPTIMISATION OF DISPERSION OF NANOSIZE SIC PARTICLES  
OPTIMISATION OF SUSPENSION CHARACTERISTICS FOR SHAPING  
PREPARATION OF Al<sub>2</sub>O<sub>3</sub>/MgO NANOCOMPOSITE POWDER VIA  
PREPARATION OF Zn-Al-O SYSTEM MATERIALS BY ULTRASONIC  
SLURRY PREPARATION FOR SPRAY-DRYING PROCESS  
ZIRCONIA-YTTRIA GRANULES SPRAY DRIED FROM WATER AND
- SPRAY PROCESSING  
PREPARATION OF SPHERICAL YTTRIA-STABILISED ZIRCONIA  
SPRAY PYROLYSIS  
CHARACTERISATION OF HYDRATED SILICATE GLASS  
CHARACTERISATION OF La<sub>1-x</sub>Sm<sub>x</sub>NO<sub>3</sub> PLUS OR MINUS DELTA  
EFFECT OF ADDITIVE OXIDES ON ULTRAFINE CaO<sub>2</sub> PARTICLES  
EFFECTS OF YTTRIUM AND MANGANESE ON THE PTCR BARIUM  
LASER SYNTHESIS OF NANOMETRIC SILICA-BASED POWDERS  
MICROSTRUCTURE OF 5-BALANCE OXIDE POWDERS SYNTHESIZED BY LASER  
ORIENTED GROWTH OF TiO<sub>2</sub> OXIDE THIN FILMS ON GLASS  
POWDER PREPARATION AND SINTERING CHARACTERISTICS OF  
PREPARATION OF NiFe<sub>2</sub>O<sub>4</sub> POWDER BY SPRAY PYROLYSIS  
PREPARATION OF ZnS AND CdS FINE PARTICLES WITH  
SINTERABILITY OF SPINEL (MgAl<sub>2</sub>O<sub>4</sub>-ZIRCONIA COMPOSITE  
SPRAY-PYROLYSIS PROCESS OF PREPARING SUPERCONDUCTING  
SUBSTRATE TEMPERATURE EFFECTS ON THE TiN OXIDE FILMS  
SYNTHESIS AND FORMATION MECHANISM OF SUBMICROMETER  
SYNTHESIS, MORPHOLOGY, AND FORMATION MECHANISM OF  
SYNTHESIS OF SPHERICAL BETA-SILICA CARBIDE PARTICLES  
SYNTHESIS OF (La,Sr)MnO<sub>3</sub>-Y<sub>2</sub>O<sub>3</sub> COMPOSITE PARTICLES BY
- SPRAYING  
PROCESS FOR THE MANUFACTURE OF A SILICA FIBRE-BASED  
SPUTTER DEPOSITION  
GROWTH OF CUBIC PARAELECTRIC PEROVSKITE La-MODIFIED  
INTEGRATED CIRCUIT FABRICATION USING A METAL SILICIDE  
METHOD OF COINTEGRATED DEVICES AND DEVICE COATED  
PREPARATION OF ATO THIN FILMS BY DC MAGNETRON
- RESIDUAL STRESS AND GROWTH ORIENTATION IN Y<sub>2</sub>O<sub>3</sub> THIN  
SPUTTER SYNTHESIS OF FERROELECTRIC FILMS AND  
VARIATIONS IN MICROSTRUCTURE AND COMPOSITION OF INDIUM
- 76-03484A  
76-05113A  
76-02017A  
76-07098A  
76-07099C  
76-02574A  
76-07704C  
76-00984A  
76-02463A  
76-00739A  
76-03105C  
76-07704C  
76-04034A  
76-04054A  
76-00218A  
76-01560A  
76-08954C  
76-08660C  
76-02578A  
76-00746A  
76-06181A  
76-03368A  
76-04304A  
76-09207A  
76-06184A  
76-01052A  
76-07104A  
76-07105A  
76-02580A  
76-04672P  
76-00673A  
76-00413C  
76-04398A  
76-02858A  
76-00433C  
76-01017A  
76-08081P  
76-08371A  
76-02869C  
76-08599C  
76-02884A  
76-07447A  
76-06795A  
76-01499C  
76-09028P  
76-03984A  
76-08915P  
76-01511C  
76-04144C  
76-06155A  
76-06556A  
76-0557P  
76-02943C  
76-08591C  
76-04172A  
76-08593A  
76-02955C  
76-03289A  
76-02955A  
76-08969P  
76-06960P  
76-08419A  
76-01705P  
76-01664C  
76-05824C  
76-00070P  
76-03053A  
76-05758A  
76-06539C  
76-01981A  
76-02974C  
76-08908P  
76-01184A  
76-02081P  
76-02955C  
76-03569A  
76-03997A  
76-01974C  
76-04334A  
76-06049A  
76-05923A  
76-08214A  
76-02036C  
76-08564A  
76-07186A  
76-05976C  
76-03941A  
76-03382A  
76-06028C  
76-01508A  
76-04471A  
76-08929A  
76-01521A  
76-08405A  
76-01534A  
76-06777P  
76-00740A  
76-06174A  
76-04037A  
76-02024A  
76-07466A  
76-02180P  
76-00918A  
76-00836P  
76-02112P  
76-08201A  
76-08202A  
76-01999A  
76-01294A  
76-05530A



## SPUTTERING

BONELIKE COATINGS ON CERAMICS BY REACTIVE MAGNETRON CHARACTERISTICS OF  $\text{SrTiO}_3$  THIN FILMS DEPOSITED UNDER DIAGNOSTIC TECHNIQUES FOR TEMPERATURE AND SPECIES EFFECT OF DEPOSITION CONDITIONS AND SUBSTRATE MATERIAL ELECTRICAL AND OPTICAL PROPERTIES OF  $\text{ZnO}$  AL FILMS FABRICATION AND STRUCTURAL ANALYSIS OF  $\text{ZnO}$  COATED GROWTH OF (0001) $\text{ZnO}$  THIN FILMS ON SAPPHIRE INFLUENCE OF HYDROGEN ADDITION ON THE CHEMICAL INFLUENCE OF THE COMPOSITION OF GAS MIXTURE ON THE INFLUENCE OF THE NITROGEN IMPLANTATION ENERGY ON THE ITO SPUTTERING TARGET METHOD FOR COATING METAL DISK SUBSTRATES FOR METHOD FOR FORMING LOW REFRACTIVE INDEX FILM METHOD FOR MAKING METAL OXIDE SPUTTERING TARGETS METHOD OF CONVERTING COATED GLASS METHOD OF FORMING INSULATING FILMS, CAPACITANCES, AND METHOD OF SPUTTERING A SILICON NITRIDE FILM MORPHOLOGY AND DIELECTRIC PROPERTIES OF REACTIVELY MULTIPLE LAYER EROSION-RESISTANT COATING AND A METHOD OPTICAL PROPERTIES AND STRESS OF RF MAGNETRON PREPARATION OF EPITAXIAL  $\text{Y}_2\text{O}_3/\text{MgO}/\text{SiO}_2/\text{Si}$  DELTA HIGH TC PROCESS FOR TREATMENT OF THIN FILMS BASED UPON SEMICONDUCTOR DEVICE HAVING A MULTILAYERED CONDUCTIVE SPUTTERED  $\text{La}_2\text{O}_3/\text{SrO}/\text{MnO}_3/\text{YTiO}_3$  STABILISED ZIRCONIA X-RAY METAL NANOSTRUCTURES AND THEIR FRACTURE VARIATIONS OF INTERFACE POTENTIAL BARRIER HEIGHT AND T-RM PHOTOELECTRON SPECTROSCOPY CHARACTERISATION OF ZINC OXIDE PIEZOELECTRIC CRYSTAL FILM ON SAPPHIRE

76-04069A  
76-03362A  
76-03691A  
76-01744A  
76-08030A  
76-05526A  
76-07598C  
76-07609C  
76-01758A  
76-01052C  
76-06359P  
76-06631P  
76-06635P  
76-09040P  
76-02693P  
76-07501P  
76-00786P  
76-07641C  
76-09080P  
76-04383A  
76-08056A  
76-02163P  
76-07849P  
76-07462C  
76-05078A  
76-05692C  
76-07468A  
76-01010P  
76-01011P

## SQUEEZE CASTING

SQUEEZE-CASTING CONDITIONS OF  $\text{Al}/\text{Al}_2\text{O}_3$  METAL MATRIX

76-00137A

## SRI LANKA

MUCH POTENTIAL FOR GROWTH IN SRI LANKA

76-04914A

## ST

ADSORPTION CHARACTERISTICS OF ALBUMIN AND LYSOZYME ON INFLUENCE OF HYDROTHERMAL SYNTHESIS PARAMETERS ON THE INFLUENCE OF SILICA CONTENT ON LIQUID PHASE SINTERING INVESTIGATION OF THE PROPERTIES OF A

76-06293A  
76-04459A  
76-04460A  
76-05142A

## STABILISATION

CERAMIC APPLICATIONS IN THE NUCLEAR INDUSTRY

LOW-TEMPERATURE STABILISATION OF TETRAGONAL ZIRCONIA

METHOD AND DEVICE FOR MANUFACTURING AN OPTICAL FIBRE

METHOD FOR STABILISING CERAMIC SUSPENSIONS

PHASE TRANSFORMATIONS IN STABILISED  $\text{ZrO}_2/\text{Al}_2\text{O}_3$

QUANTITATIVE X-RAY DIFFRACTION ANALYSIS OF

STABILISATION OF  $\text{BaZrO}_3/\text{ZrO}_2$  WITH THE  $\text{KZnF}_4$  STRUCTURE

STABILISED  $\text{ZrO}_2$

STRUCTURAL STABILISATION AND ELECTRICAL

THERMAL OXIDE ETCH TECHNIQUE

TRANSITION METAL-CONTAINING HYDROPHOBIC SILICA

76-03658B  
76-08526A  
76-00310P  
76-09052P  
76-05281A  
76-05018C  
76-06313A  
76-09131P  
76-00736A  
76-06782P  
76-04681P

## STABILITY

BASE FILM HAVING DIMENSIONAL STABILITY AND HIGH

BOROSILICATE GLASS WEAK IN BORIC ACID

CERAMIC COMPOSITION FOR THERMISTOR

CERAMIC COMPOSITION FOR THERMISTOR AND THERMISTOR

CERAMIC COMPOSITION FOR THERMISTOR, THERMISTOR

COATED QUARTZ GLASS COMPONENT

CORROSION-RESISTANT CERAMIC MATERIALS

DRY-STONE WALLS

EFFECT OF FERRIC OXIDE ON THE ELECTRICAL CONDUCTIVITY

EFFECT OF GLASS PURITY ON THE GLASS STABILITY AND

EFFECTS OF  $\text{Ga}_2\text{O}_3$  ADDITION ON THE STABILITIES OF

ELECTRICALLY CONDUCTING CERAMIC AND FUEL CELL USING

ELECTRICALLY CONDUCTIVE CERAMICS WITH OXIDES OF Al

ELECTROCHEMICAL ALKALI METAL CELL AND PROCESS FOR ITS

FIBRE-REINFORCED CERAMIC MATRIX COMPOSITE MEMBER AND

HIGH-PERFORMANCE CERAMIC INTERCONNECT FOR SOFC

INFLUENCE OF A NONLINEAR STRESS-STRAIN RELATIONSHIP ON

INFLUENCE OF THE DIBORANE FLOW RATE ON THE STRUCTURE

LOW-TEMPERATURE COFIRED CERAMIC UHF/VHF POWER

MCPC DEVELOPMENT STATUS AT M-C POWER CORPORATION

METHOD AND EQUIPMENT FOR COATING COMPOSITION FOR THE

METHOD FOR PRODUCING CUBIC BORON NITRIDE

METHOD TO PRODUCE FLEXIBLE CERAMIC THERMAL PROTECTION

MIXED MODE OUTPUT BUFFER CIRCUIT FOR CMOS

NITRIDE LAYER FOR DISCHARGE LAMPS

NMR AND IR SPECTROSCOPIC EXAMINATION OF THE HYDROLYTIC

Oxidative Stable Ceramic Composites

PHOTOSTABILITY OF DYE-SENSITIZED SOLID STATE

Porous Ceramic Material

PREPARATION OF STABILIZED ALUMINA HAVING ENHANCED

PROCESSING METHYL-MODIFIED SILICATE MATERIALS FOR

SELECTIVE METAL CATION CONDUCTION

SEMICONDUCTOR DEVICES ENCAPSULATED WITH ALUMINIUM

SINTERED CERAMIC FOR HIGH-STABILITY THERMISTORS AND

SOLUBLE SILICATE GLASS FORMS AND METHOD OF

STABILISATION OF FLUOROINDATE GLASSES BY MAGNESIUM

STABILITY AND BAND OFFSETS OF  $\text{SiC}/\text{GaN}$ ,  $\text{SiC}/\text{AlN}$ , AND

STABILITY AND POROSITY OF  $\text{Fe-PiC}_x$  IN AN ACID AND

STABILITY OF HYDROXYL AND METHOXY SURFACE GROUPS ON

STABILITY OF SILICON CARBIDE STRUCTURES FROM CLUSTERS

STABLE AQUEOUS ALUMINA SOL AND METHOD FOR PREPARING

STRUCTURAL STABILITY OF STRONTIUM BARIUM HYDROBATE

THERMAL STABILITY OF  $\text{Pb}$ ,  $\text{Pd}$ , AND  $\text{Ni}$  ON  $\text{GaN}$

THERMAL STABILITY OF SILICON-BASED HYBRID MATERIALS

THERMODYNAMIC STUDY OF THE STABILITY OF  $\text{BETA-C}_2\text{S}$  SOLID

STAIN RESISTANCE

INFLUENCE OF PRESSING POWDER CHARACTERISTICS AND

STAINS

APPARATUS FOR APPLYING  $\text{SO}_3$  TO FLOAT GLASS

CERDEC EXPANSION IN CHINA

CHARACTERISATION AND UTILISATION OF WOOD ASH IN THE

COOKSON MATTHEY EXTENDS COLOUR PALETTE

76-06349P  
76-05115P  
76-05472P  
76-00753P  
76-05473P  
76-01896P  
76-02239P  
76-02716C  
76-05374A  
76-07120C  
76-02600A  
76-05485P  
76-07480P  
76-09003P  
76-06598P  
76-05492P  
76-02741C  
76-01954A  
76-07487P  
76-05413C  
76-02630P  
76-06850P  
76-09074P  
76-07819P  
76-08888P  
76-05473C  
76-06822P  
76-03270A  
76-06714P  
76-04640P  
76-06804C  
76-03145P  
76-05618P  
76-07524P  
76-07265P  
76-07096C  
76-07691C  
76-06076A  
76-08955A  
76-09187A  
76-02179P  
76-07976C  
76-07717C  
76-06538C  
76-02465A

## STANDARDISATION

BRACING SYSTEMS FOR MASONRY ARE DANGEROUS

CERAMIC TILE STANDARDS: PROPOSED PERFORMANCE AND

CHARACTERISATION OF CERAMICS FOR BIO-MEDICAL USES

COMPARISONS OF THE FINE CERAMICS STANDARDS AMONG

DEVELOPMENTS IN TESTING AND MECHANICAL PROPERTIES OF

ESTABLISHMENT OF TECHNOLOGICAL BASIS ON FINE CERAMICS

EUROPEAN STANDARDS FOR SANITARYWARE

EUROPEAN STANDARDISATION OF CLAY ROOFING TILES

IEA, ANNEX II INTERNATIONAL COOPERATIVE RESEARCH

OBSERVATIONS ON THE EVOLUTION OF REFRACTORY MATERIALS.

OVERVIEW OF INDUSTRIAL STANDARDISATION IN JAPAN AND

REPORT: RESULTS OF MECHANICAL STRENGTH TESTS ON

REVIEW OF THE CURRENT STANDARDS AND OF THE NEW ISO

STANDARDISATION OF NEW KINDS OF BUILDING GLASSES

STANDARDISATION OF REFRACTORIES IN RUSSIA AND GERMANY

STANDARDS FOR CERAMIC IMPLANTS

STANDARDS FOR DESIGN LIFE OF BUILDINGS: UTILISATION IN

STANDARDS FOR TILE INSTALLATION AND MATERIALS

STATUS OF ISO/TC 206 ON FINE CERAMICS

76-02996A  
76-08232P  
76-00573A  
76-03926A  
76-00576A  
76-05206A  
76-02326A  
76-03831C  
76-02334A  
76-05926A  
76-02339A  
76-02340P  
76-02341C  
76-02354A  
76-02914A  
76-02369A  
76-02222P  
76-00672C  
76-07166A  
76-02382A  
76-02383A  
76-02384A  
76-07383A  
76-02385A

TESTING AGGREGATES FOR ALKALI-REACTIVITY. REPORT OF TESTS OF SWEDISH MASONRY VAMAS PROJECT AND ITS ACTIVITY

76-01382A  
76-02784A  
76-02388A

## STATISTICAL ANALYSIS

CONTRIBUTION OF EPIDEMIOLOGY TO THE STUDY OF

DESIGN ANALYSIS OF ENGINEERING CERAMIC COMPONENTS

DESIGN OF EXPERIMENTS IN CERAMICS - AN EXAMPLE:

EFFECTS OF OXIDATION ON THE FLAW-LIMITED STRENGTHS OF

EVALUATION OF THE DECAY OF MASONRY SURFACES: INFLUENCE

FACTORS INFLUENCING CONSISTENCY OF STRENGTH OF HIGH

INFLUENCE OF SAND NATURE ON BURNABILITY OF WHITE

INVESTIGATION OF CARBONATE STRATA OF THE LUCHSKOJE

OPTIMISATION OF CERAMIC BODIES BY A TAGUCHI

OPTIMISATION OF THE GELCASTING OF A SILICON NITRIDE

PREDICTION OF THE STRENGTH DISTRIBUTION FOR

SAMPLING OF RECYCLED GLASS

SERVICE LIFE ANALYSIS FROM FIELD DATA ON AGE

VALIDITY OF WEIBULL ESTIMATORS - EXPERIMENTAL

STATISTICAL PROCESS CONTROL

REFRACTORY MAINTENANCE PROGRAMME USING SPC TOOLS

76-04874A  
76-0108A  
76-01354A  
76-09192A  
76-02724C  
76-00036A  
76-04041A  
76-03975A  
76-03009A  
76-04274A  
76-07022A  
76-07234A  
76-06020A  
76-09189A

STATISTICS

FORECASTS FOR THE BRICK INDUSTRY. NO.4 JANUARY 1996

76-02933C

STEATITE

EXHAUST SENSOR HAVING FLAT PLATE CERAMIC SENSING

76-02345A

STEEL

CORROSION OF STAINLESS STEEL 304 IN MOLTEN CARBONATES

76-06195P

STEEL INDUSTRY

REFRACTORIES INDUSTRY. STATUS AND TRENDS

76-05355C

STEELMAKING

APPLICATION AND DEVELOPMENT OF UNSHAPED REFRACTORIES

APPLICATION OF ALUMINA-MAGNESIA CASTABLE FOR WALL OF

APPLICATION OF ALUMINA-MAGNESIA CASTABLE IN HIGH

APPLICATION OF ALUMINA-MAGNESIA CASTABLE TO STEEL

APPLICATION OF ALUMINA-SPINEL CASTABLE REFRACTORIES IN

APPLICATION OF BASIC MATERIALS FOR CC REFRACTORIES

APPLICATION OF BASIC MATERIALS FOR CONTINUOUS CASTING

APPLICATION OF BETA- $\text{Al}_2\text{O}_3$  TO IMMERSION NOZZLE FOR

APPLICATION OF DOLOMA REFRACTORIES IN STEELMAKING

APPLICATION OF MATERIAL FOR C NOZZLE TO PREVENT

APPLICATION OF  $\text{MgO}$ - $\text{Al}_2\text{O}_3$ -C BRICK AND  $\text{Al}_2\text{O}_3$ - $\text{MgO}$ -C BRICK

APPLICATION OF  $\text{MgO}$ -C CASTABLE FOR LADLE FURNACE SLAG

APPLICATION OF MONOLITHIC LINING FOR HOT METAL LADLE

APPLICATION OF MONOLITHIC LINING FOR THE STEEL LADLE

APPLICATION OF SELF-FLOW CASTABLE REFRACTORIES FOR

APPLICATION OF SELF-FLOW TYPE CASTABLE REFRACTORIES IN

APPLICATION OF SLIDE GATE PLATE FOR TUNDISH FORMED BY

APPLICATION OF SPINEL-C MATERIAL TO STOPPER FOR

APPLICATION OF SPINEL-CARBON BRICK IN STEEL LADLE

APPLICATION OF THERMO-MECHANICAL MODELLING TO CARBON

76-0380C  
76-0280A  
76-0280A  
76-05235A  
76-05236A  
76-00381A  
76-00382C  
76-02803A  
76-00383A  
76-02804C  
76-02805A  
76-05238A  
76-02806A  
76-02807A  
76-00384C  
76-00385A  
76-00386C  
76-00387A  
76-02808A  
76-00389C  
76-00389C  
76-02809C  
76-00391C  
76-00392A  
76-02810A  
76-00393C  
76-00394C  
76-00395C  
76-05242A  
76-00396C  
76-00397C  
76-00398A  
76-00399A  
76-00400C  
76-00401C  
76-07292A  
76-02820A  
76-02825A  
76-00405C  
76-02826A  
76-02827A  
76-00411C  
76-05245A  
76-00412C  
76-00413C  
76-02829C  
76-00413C  
76-00414C  
76-02831A  
76-02832A  
76-02833A  
76-02835A  
76-02836A  
76-02837A  
76-01185C  
76-00417C  
76-02841A  
76-00418C  
76-05247A  
76-00419C  
76-00420C  
76-00421C  
76-02842A  
76-05252A  
76-02848A  
76-02851A  
76-02852C  
76-00423C  
76-00425A  
76-00429A  
76-00430A  
76-00431A  
76-00441C  
76-02866C  
76-00445C  
76-08167A  
76-00446C  
76-00450A  
76-00453A  
76-02873A  
76-00455C  
76-02876A  
76-02878A  
76-00456A  
76-05263A  
76-03713A  
76-00457A  
76-00458A  
76-02878A  
76-02880A  
76-00459C  
76-00460A  
76-00461A  
76-00462C  
76-02882A

- INFLUENCE OF GRAIN BOUNDARIES IN FUSED ZrO<sub>2</sub> ON THE INFLUENCE OF TYPES OF CARBON MATERIALS TO ADHESIVE INTEGRATION OF TUNDISH REPAIR VASE  
INTRODUCTION OF MONOLITHICS IN EUROPEAN STEEL LADLES;  
INTRODUCTION OF UNSHAPED PRODUCTS WITHOUT SiO<sub>2</sub> IN INVESTIGATION OF ANTI-ALUMINA BUILD UP MATERIAL FOR JET PACKING MATERIAL FOR REFRACTORY EXCHANGE  
LABOUR SAVING IN LADLE SLIDING NOZZLE  
LIFE PROLONGATION OF REFRACTORY FOR KR IMPELLER LONG-LIFE NOZZLE  
LOW MOISTURE REGULAR CORUNDUM/SPINEL CASTABLES WITH LOW-FLUX MAGNESIA-CHROME BRICK FOR TUYERES IN AOD MAGNESIA  
MAGNESIA-SPINEL BRICK CONTAINING MgO-RICH SPINEL FOR MAGNESIA-SPINEL BRICKS FOR REFINING FURNACES  
MECHANISATION OF BOF RELINING WORK IN NAGOYA WORKS  
MECHANISATION OF REFRACTORY LINING INSTALLATION AND METERING NOZZLE FOR A TUNDISH  
METHOD TO PREVENT MOLTEN STEEL FROM PENETRATING INTO MgO-C SN PLATE FOR CASTING Ca-ALLOY TREATED STEEL  
MICROSTRUCTURAL ANALYSIS OF CORROSION MECHANISMS IN MIXTURES OF A BASE COMPOSITION: CONSUMABLE LINING OF MULTIPLE USE OF TUNDISH PERMANENT LINING BY CASTABLE NEW DEVELOPMENTS IN THE FIELD OF TECHNOLOGIES AND NEW REFRACTORIES FOR MODERN LADLE LINING  
NEW TYPE ROTARY NOZZLE SYSTEM DRIVEN BY WORM GEAR OPTIMISATION OF CONTINUOUS CASTING REFRACTORY  
OPTIMISATION OF MONOLITHIC REFRACTORY STEEL LADLE OPTIMISATION OF REFRACTORIES OF STEEL LADLES WITH PEELING DAMAGE OF GUNNING MATERIALS FOR SECONDARY PROCESS OF IMPROVEMENT AND THE EFFECT OF REFRACTORIES PRODUCING BASIC REFRACTORIES FOR STEEL APPLICATIONS  
PRODUCTION OF BASIC CASTABLES AND BASIC PRECAST SHAPES  
PROGRESS IN LADLE REFRACTORIES TECHNIQUES AT KAWASAKI  
QUICK CHANGE SYSTEM FOR SUBMERGED ENTRY NOZZLES  
REACTION OF O-SILICON-ZrO<sub>2</sub> COMPOSITE MATERIALS WITH  
REACTION OF SILICON CARBIDE GRAINS WITH MOLTEN IRON  
RECENT TRENDS IN REFRACTORY DEVELOPMENTS OF DC LADLINES  
REFRACTORIES DEVELOPMENTS FOR IRON AND STEEL MAKING IN REFRACTORIES FOR CONTINUOUS CASTING IN CHINA  
REFRACTORIES TECHNOLOGY FOR CONTINUOUS RECYCLE REFRACTORY DESIGN (DESIGN WITH AND DESIGN OF REFRACTORY WEAR OF DOLOMITE AND MAGNETIC BOF LINING  
REPAIR TECHNOLOGY FOR SLIDE GATE PLATES  
RESULT OF TEMPERATURE MEASUREMENT OF RH SNORKEL SEGMENT PURGING PLUGS FOR STEEL TREATMENT IN LADLES  
SELECTION OF CASTABLES USED IN IRON AND STEEL  
SERVICE OF HIGH-ALUMINA REFRACTORIES IN ARC FURNACES  
SIGNIFICANCE OF FUSED REFRACTORY RAW MATERIALS IN THE SINTERING BEHAVIOUR AND APPLICATION OF Mg-PSZ CERAMIC SLAG CORROSION AND COATING RESISTANCE OF MAGNESIA LIME  
SLAG PENETRATION RESISTANCE OF MgO-TiO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub> BRICK  
SLAG RESISTANCE OF REFRACTORIES IN THE LINING OF AN  
SLAG RESISTANCE OF VIBRATION-CAST REFRACTORY CONCRETES  
SLAGLINE WEAR OF GRAPHITE-BONDED ZIRCONIA SENS  
SLIDE GATE REFRACTORIES IN STEELMAKING  
SLIDING GATE EQUIPMENT FOR LADLE  
SLIT TYPE IMMERSION NOZZLE OF ALUMINA-GRAPHITE  
SNORKEL FOR A DEGASSING VESSEL  
STATISTICAL REGULARITIES OF THE EFFECT OF SLAG STEP OF RELIABILITY OF STEEL LADLES AT SOLAC  
STRUCTURE OF THE PRODUCTION AND USE OF MAGNESIA  
STUDIES ON CORROSION MECHANISMS OF MAGNESIA SPINEL  
STUDIES ON MICROSTRUCTURE OF THE USED INSULATING BOARD  
STUDY OF THE HARDENING TIME OF RESIN BONDED HOT REPAIR  
STUDY ON CaO-TiO<sub>2</sub>-C MATERIAL TO PREVENT ALUMINA  
SUPER DENSE DIRECT BONDED MAGNESIA-CHROME BRICK FOR TECHNICAL ANALYSIS OF REFRACTORY PRODUCTIVITY BEHAVIOUR IN TECHNIQUES FOR EXTENSION OF CAMPAIGN LIFE OF STEEL  
TECHNIQUES IN EXTENSION OF CAMPAIGN LIFE FOR RH  
TESTING AN OLIVINE RAMMING MIXTURE UNDER THE THERMAL CHARACTERISTICS OF ALUMINA-MAGNESIA CASTABLE  
THERMAL CHARACTERISTICS OF CASTABLE FOR TEEMING LADLES  
THERMAL CHARACTERISTICS OF CASTABLES FOR TEEMING LADLE  
THERMAL SHOCK RESISTANCE OF ALUMINA-GRAPHITE  
THERMAL STABILITY OF ARTICLES FOR LINING STEEL-TEEMING  
UNBURNED MAGNESIA-DOLOMITE-CARBON BRICK FOR THE UNSHAPED BASIC REFRACTORIES FOR STEEL LADLE  
USE OF HIGH STRENGTH INSULATION TO IMPROVE LINING  
USE OF MAGNETIC CHROME PRODUCTS IN PARTIAL QUANTITY  
WEAR MECHANISM OF ALUMINA-SPINEL BRICKS IN STEEL  
WET GUNNING MACHINES FOR APPLYING TUNDISH COATINGS
- STOICHIOMETRY**  
CHEMICAL CHARACTERISTICS OF THE COMPOUND  
COULOMETRIC TITRATION OF CERIA SOLID SOLUTIONS  
CRYSTAL STRUCTURE, PHASE RELATIONS AND OXYGEN  
CRYSTALLINITY AND STOICHIOMETRY OF NANO-STRUCTURED  
EFFECT OF STOICHIOMETRY ON DEFECT DISTRIBUTION IN  
EFFECT OF STOICHIOMETRY ON MECHANICAL PROPERTIES OF  
ELECTROPHYSICAL PROPERTIES OF Pb<sub>1-x</sub>(Ti<sub>1-x</sub>Zr<sub>x</sub>)O<sub>3-x</sub>-TYPE  
HIGH-QUALITY LOW-TEMPERATURE DPECVD SILICON DIOXIDE  
INFLUENCE OF THE COMPOSITION OF GAS MIXTURE ON THE  
POLYMERIC METAL OXIDE MATERIALS AND THEIR FORMATION  
STOICHIOMETRY, STRUCTURES AND POLYMORPHISM OF
- STONE**  
EFFECT OF FIRE DAMAGE ON NATURAL STONEWORK IN  
ELASTIC PROPERTIES OF TUFF SPECIMENS, AN EXPERIMENTAL  
PROPERTIES OF THE LECCE STONE AND THE EFFECTS OF  
"SERENATA" THERMAL TREATMENT OF NATURAL STONE  
STRUCTURAL INTEGRITY OF LAWN MEMORIAL HEADSTONES
- STONES**  
CONCRETE OR CERAMIC ELEMENTS
- STONEWARE**  
LUZENAC SET SS.8 TALS: AN AUXILIARY FLUX FOR FINE  
MEDIUM FOR CHINA PAINTS FOR PORCELAIN, CERAMIC, AND  
RAW MATERIALS FOR THE ITALIAN STONEWARE TILE INDUSTRY  
RECENT INNOVATIONS IN FAST FIRING PROCESSES  
THERMAL SHOCK OF TRIAXIAL PORCELAINS
- STORAGE**  
ALSEN-BREITENBURG'S NEW 4000 T FLYASH STORAGE DOME  
DEVELOPMENT OF VERTICAL STORAGE SYSTEM FOR  
METHOD FOR FABRICATING A NONVOLATILE SEMICONDUCTOR  
PROCESS FOR THE TREATMENT OF NATURAL APATITES WITH A  
"VERSATILE" CONCRETE DOMES FOR NORTH TEXAS CEMENT  
**STRAIN**  
BOUND EXCITON ENERGIES, BIAXIAL STRAINS, AND DEFECT  
CHARACTERISATION OF REFRACTORY MATERIALS USING  
CORRELATION OF BIAXIAL STRAINS, BOUND EXCITON  
EFFECTS OF STRAIN FIELDS ON EXCITONS AND PHONONS IN  
ELECTRONIC STRUCTURE OF BIAXIALLY STRAINED WURTZITE  
HIGH TEMPERATURE SAPPHIRE OPTICAL FIBRE  
INFLUENCE OF THE CLAY UNIT ON THE MOISTURE EXPANSION
- 76-00463C  
76-02887A  
76-00467A  
76-02889C  
76-00470C  
76-00471C  
76-02892A  
76-00473C  
76-00474A  
76-02894A  
76-00475C  
76-02895A  
76-00476C  
76-00478C  
76-02897A  
76-00479C  
76-05274A  
76-07360P  
76-00481C  
76-02899A  
76-02902C  
76-07317A  
76-05277A  
76-00489C  
76-00491C  
76-02911A  
76-00494C  
76-00495C  
76-00496C  
76-02920A  
76-00503A  
76-05283A  
76-00504C  
76-00505C  
76-00507A  
76-02928C  
76-07327A  
76-00508A  
76-00510C  
76-05285A  
76-00511C  
76-00512C  
76-02932C  
76-00513A  
76-00517A  
76-02936A  
76-02938A  
76-00519C  
76-02940A  
76-01532C  
76-00523C  
76-00525A  
76-00526A  
76-02944A  
76-07339A  
76-07340A  
76-02945A  
76-05291A  
76-00527C  
76-00560P  
76-07343A  
76-02947C  
76-00529A  
76-02950A  
76-07347A  
76-00532C  
76-00533A  
76-00535C  
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76-02952A  
76-00542A  
76-05295A  
76-00546A  
76-07350A  
76-05297A  
76-02958A  
76-00548A  
76-07352A  
76-00549C  
76-05905A
- 76-07880C  
76-03042C  
76-03043C  
76-03681A  
76-07569C  
76-07901A  
76-07909C  
76-08903A  
76-07175A  
76-09085P  
76-05271A
- 76-00327A  
76-02422C  
76-02451C  
76-00361C  
76-02458C
- 76-00372P
- 76-03000A  
76-03027P  
76-04015A  
76-03000C  
76-03022C
- 76-04970A  
76-02964C  
76-07159P  
76-04658P  
76-09121P  
76-05029A
- 76-07534C  
76-03833C  
76-04704A  
76-07572C  
76-07577C  
76-03964A  
76-02744C
- INTERFEROMETRIC TECHNIQUE TO EVALUATE STRAIN  
LOW-STRAIN LASER STRUCTURES WITH GROUP II NITRIDE  
MEASUREMENT OF STRAIN IN GaN AND ALGaN/GaN  
METHOD AND APPARATUS FOR EXTRUDING LARGE HONEYCOMBS  
METHOD FOR DIRECT MEASUREMENT OF THE BRIDGING STRAIN  
OFFSETS AND POLARISATION AT STRAINED Al<sub>0.5</sub>Ga<sub>0.5</sub>N POLAR  
PROCESSING METHOD FOR FORMING DISLOCATION-FREE SiO<sub>2</sub> AND  
SHEAR DEFORMATION POTENTIALLY ELASTICALLY STRAINED  
SPATIAL DISTRIBUTION OF ELECTRON CONCENTRATION AND  
STRAIN EFFECTS ON EXCITONIC TRANSITIONS IN GaN  
STRAIN UNDER AXIAL MONOTONIC AND CYCLIC LOADS IN CLAY  
STRUCTURAL AND OPTICAL PROPERTIES OF NITRIDE BASED  
SYNTHETIC DIAMOND WEAR COMPONENT AND METHOD  
THEORY OF INTERFACES IN WIDE-GAP NITRIDES
- STRAINS**  
AIRCRAFT THERMAL PROTECTION SYSTEM
- STRENGTH**  
ARTIFICIAL TOOTH  
BENDING-TENSILE STRENGTH OF REINFORCED AND  
BRAZING OF DIAMOND FILM TO TUNGSTEN CARBIDE  
CALCIUM PHOSPHATE HYDROXYAPATITE PRECURSOR AND METHODS  
CEMENT TREATED WITH HIGH-PRESSURE CO<sub>2</sub>  
CERAMIC COMPOSITE MATERIAL  
CERAMIC MATRIX COMPOSITES USING STRENGTHENING AGENTS  
CERAMIC POROUS BODY AND METHOD OF PREPARING THE SAME  
COMPARISON OF AGGLOMERATE STRENGTH TESTING TECHNIQUES  
COMPOSITE CERAMIC MATERIALS WITH SiC FIBRE  
CORROSION GLASS-CERAMIC AND METHOD FOR MANUFACTURING  
CRACKING DUE TO RESTRAINT  
DEVELOPMENT AND TESTING OF A LIGHTWEIGHT MORTAR  
DEVELOPMENT OF CHALCOGENIDE GLASS FIBRE OPTICS AT NRL  
DEVELOPMENT OF MOLTEN CARBONATE FUEL CELL MATRIX BY  
DRYING SHRINKAGE CEMENT ADMIXTURE  
EFFECT OF BINDERS ON GRANULATED, GREEN AND SINTERED  
EFFECT OF LARGE ADDITIONS OF Ca, Pb, Cu, Zn, TO CEMENT  
EFFECT OF THERMAL-SHOCK AND AUTOCLAVE TREATMENT ON THE  
EFFECTS OF PITCH ADDITION ON MgO-C BRICKS  
FABRICATION AND CHARACTERISATION OF CERIA-PARTIALLY  
FACTORS AFFECTING THE COMPRESSIVE STRENGTH OF CALCIUM  
FACTORS INFLUENCING CONSISTENCY OF STRENGTH OF HIGH  
FILLING ROLE OF POZZOLANIC MATERIAL  
FLEXURAL AND SHEAR TESTS ON REINFORCED VERTICALLY  
GLASS BULB FOR A CATHODE RAY AND A METHOD OF PRODUCING  
GLASS FIBRE SIZED COMPOSITES, SIZED GLASS FIBRES  
HEAT-RESISTANT AND HIGH-STRENGTH CERAMICS BASED ON THE  
HIGHLY EFFICIENT CERAMIC CATALYTIC BLOCKS WITH A  
HIGH-STRENGTH PORCELAIN AND METHOD THEREFOR  
HIGH-STRENGTH SILICON NITRIDE SINTERED BODY  
HIGH-TEMPERATURE RESISTANT SILICON NITRIDE CERAMIC  
INFLUENCE OF CaAl<sub>2</sub>Si<sub>2</sub>O<sub>7</sub> CONTENT AND W/S RATIO ON THE  
INFLUENCE OF FIRING ATMOSPHERE ON BRICK PROPERTIES  
INFLUENCE OF GRAPHITE-FLAKE ORIENTATION ON TEXTURAL  
INFLUENCE OF THE TYPE OF CALCIUM SULPHATE ON THE  
INITIAL SHEAR STRENGTH OF MASONRY - EVALUATION AND  
INTERMEDIATE-TEMPERATURE ENVIRONMENTAL EFFECTS ON  
INTERRELATION BETWEEN STRENGTH, FLAW SIZE  
INVESTIGATION OF THE DEPENDENCE OF THE PROPERTIES OF  
INVESTIGATION ON THE USE OF GARNET GRANULATES IN THE  
INVESTIGATIONS ON HIGH SO<sub>3</sub> PORTLAND CLINKERS AND
- 76-02746C  
76-03318P  
76-07362C  
76-01331P  
76-01368A  
76-07654C  
76-07837P  
76-07837P  
76-07688C  
76-07696C  
76-02776C  
76-07701C  
76-09145P  
76-07715C
- 76-01665P
- 76-01667P  
76-07362C  
76-00149P  
76-00150P  
76-01672P  
76-06979P  
76-02311P  
76-04812P  
76-06562P  
76-08263C  
76-02249A  
76-00223C  
76-02709C  
76-02416C  
76-07192C  
76-05365C  
76-05368P  
76-04243A  
76-00028A  
76-04437A  
76-00434C  
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76-04812P  
76-00036A  
76-02282A  
76-07232C  
76-01691P  
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76-06358P  
76-08519P  
76-04996A  
76-00342A  
76-00464C  
76-04998A  
76-08502A  
76-09197A  
76-08521C  
76-02890A  
76-01481A  
76-05002A  
76-06034A  
76-08865P  
76-02965P  
76-02437C  
76-02438A  
76-08218P  
76-07381A  
76-09050P  
76-06659P  
76-06677P  
76-02125P  
76-06694P  
76-00482C  
76-08184C  
76-00207A  
76-08218P  
76-02447A  
76-00056A  
76-00497A  
76-06793P  
76-05599P  
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76-08392A  
76-06962A  
76-07022A  
76-02025A  
76-01342P  
76-09103P  
76-09113P  
76-00374P  
76-02450C  
76-05118A  
76-04661P  
76-00357A  
76-02935A  
76-02225A  
76-02302A  
76-02770C  
76-01713P  
76-06768P  
76-04663C  
76-02172P  
76-03862C  
76-04718A  
76-07341A  
76-07341A  
76-08585C  
76-08585C  
76-01543A  
76-08966A  
76-08967A  
76-02450C  
76-08216A  
76-02778C  
76-02459A  
76-02462A  
76-08300A  
76-08010C  
76-04507A  
76-07170C  
76-08740C  
76-08740C  
76-08869P  
76-02314P  
76-07110P  
76-06095A  
76-04690P

- WATER REDUCERS FOR THE HIGH ALUMINA CEMENT-SILICA FUME ZIRCONIUM OXIDE AND ZIRCONIUM NITRIDE COATED  
ZIRCONIUM OXIDE AND ZIRCONIUM NITRIDE COATED VASCULAR ZrO<sub>2</sub>-BASED SINTER, PROCESS FOR PRODUCING THE SAME  
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- 76-05439C  
76-05439C  
76-05606P  
76-09124P  
76-07173P  
76-08084P  
76-07690P  
76-05269A  
76-02570A  
76-04738A  
76-07238A  
76-09187A  
76-03636A  
76-07700C  
76-07701C  
76-07097C  
76-07702C  
76-05149A  
76-07167A  
76-03610A  
76-05148A  
76-08956A  
76-05149A  
76-03286A  
76-02226A  
76-07098A  
76-07099C  
76-02574A  
76-06522C  
76-08793A  
76-04026A  
76-04027A  
76-07173A  
76-01549A  
76-08068A  
76-06524C  
76-04036A  
76-05191C  
76-08428A  
76-08429A  
76-07714A  
76-09280A  
76-08435A  
76-07173A  
76-00219A  
76-03030A  
76-07104A  
76-07105A  
76-02580A
- 76-02045P  
76-00551P  
76-01103P  
76-03037P  
76-00861P  
76-00856P  
76-01119P  
76-07053C  
76-05033P  
76-03508A  
76-03630P  
76-03122P  
76-05729P  
76-09012P  
76-00228P  
76-07072C  
76-07082C  
76-06471C  
76-06709P  
76-05057A  
76-04216P  
76-07998P  
76-06714P  
76-09102P  
76-06755P  
76-07839P  
76-08102P  
76-06778P  
76-03622A  
76-05811P  
76-01102P  
76-03227C  
76-01096P  
76-03148A  
76-09145P  
76-05470P  
76-03116P  
76-04521P  
76-02044P  
76-03116P  
76-02046P  
76-06552P  
76-04306P  
76-04205P  
76-04533P  
76-06350P  
76-02054P  
76-06556P  
76-06190P  
76-08929P  
76-03118P  
76-02059P  
76-05082P  
76-06554P  
76-06555P  
76-06570P  
76-06192P  
76-06193P  
76-02635P  
76-03304P  
76-06282P  
76-05535P  
76-02065P  
76-02069P  
76-06555P  
76-04424A  
76-06586P  
76-08992P  
76-08994P  
76-01618P  
76-05536P  
76-03516A
- DENSIFICATION BEHAVIOUR OF METAL AND DIELECTRIC FILMS  
DEVICE ISOLATION TECHNOLOGY BY LIQUID PHASE DEPOSITION  
DIAMOND CRYSTAL AND METHOD FOR FORMING THE SAME  
DIAMONDLIKE CARBON FOR USE IN VLSI AND ULSI  
DIELECTRIC CERAMIC COMPOSITION FOR HIGH FREQUENCIES  
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EFFECT OF CONTACT SURFACES DURING FIRING OF Mg-PSZ  
ELECTRICALLY ISOLATING SUPPORT FOR ELECTRONIC  
ELECTROCHEMICAL Al<sub>2</sub>O<sub>3</sub>-ZrO<sub>2</sub> COMPOSITE COATINGS ON  
FETRON DEVICE  
ELECTRON EMISSION ELEMENT WITH SCHOTTKY JUNCTION  
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ELEMENTS FACED WITH SUPERHARD MATERIALS  
EPITAXY OF HIGH TC SUPERCONDUCTORS ON SILICON  
ERBIUM-DOPED PLANAR OPTICAL DEVICE  
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FABRICATION OF FERROELECTRIC DOMAIN REVERSALS
- FERROELECTRIC THIN FILM WITH INTERMEDIATE BUFFER LAYER  
FLAT PANEL DISPLAY BASED ON DIAMOND THIN FILMS  
FLIP-MESH SUPERCONDUCTING MCM  
GALLIUM NITRIDE-BASED III-V GROUP COMPOUND  
GaN CRYSTALS GROWN IN THE INCREASED VOLUME  
GLASS BUBBLES FOR USE AS FILERS IN PRINTED CIRCUIT  
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GLASS SUBSTRATE COATED WITH THIN MULTILAYERS FOR  
GLASS SUBSTRATE FOR A MAGNETIC DISK WITH ROUGHENED  
ELEMENTS FACED WITH SUPERHARD MATERIALS  
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GROWTH OF ZINC-BLENDE GaN ON GaAs(100) SUBSTRATES AT  
HEAT-RESISTING MATERIAL AND CONVEYOR BELT USING SAME  
HIGH COUPLING RATIO OF FLASH MEMORY  
HIGH RESISTIVITY SILICON CARBIDE SUBSTRATES FOR HIGH  
HIGH TENSILE NITRIDE LAYER  
HIGHLY SELECTIVE SILICON OXIDE ETCHING METHOD  
HOMOGENEOUS MULTILAYER CERAMIC EMISSION LINE  
HIGH-RESOLUTION X-RAY DIFFRACTION OF GaN GROWN ON  
HOLDER FOR ANNEALING FIBRE OPTIC COILS  
INDIA-STABILIZED ZIRCONIA COATING FOR COMPOSITES  
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INFLUENCES OF ELECTROCHEMICAL VAPOUR DEPOSIT  
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INTEGRATED CIRCUIT FABRICATION USING A METAL SILICATE  
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I/O PAD ADHESION LAYER FOR A CERAMIC SUBSTRATE  
ION INJECTED MOULD FOR PRESSING A MOULDED GLASS  
JOSEPHSON JUNCTION DEVICE FORMED OF JUNCTION  
LARGE CERAMIC ARTICLE AND METHOD OF MANUFACTURING  
LEAD-FREE CONDUCTIVE PASTE  
LOW CAPACITANCE AND LOW V<sub>th</sub> MULTI ANNUAL MOSFET DESIGN  
LOW PRESSURE GROWTH OF CUBIC BORON NITRIDE FILMS  
LOW-LOSS, WIDE BANDWIDTH LIMITER  
LOW-TEMPERATURE COPIRED CERAMIC SUBSTRATES FOR POWER  
LOW-TEMPERATURE COPIRED CERAMIC UNF/VHF POWER  
LOW-TEMPERATURE DECOMPOSITION OF HYDRATED TRANSITION  
LOW-TEMPERATURE FIRED CERAMIC CIRCUIT SUBSTRATE AND  
LOW-TEMPERATURE SALINORGANIC CHEMICAL VAPOUR  
LUMINESCENT CERAMIC COATING COMPOSITIONS  
LUMINESCENT CERAMIC COATINGS  
MAGNETIC DISK SUBSTRATE AND METHOD FOR MANUFACTURING  
MAGNETIC TAPE HEAD WITH A HIGH SATURATION FLUX DENSITY  
MAGNETO-OPTICAL ELEMENT FORMED OF MAGNETIC  
MANUFACTURING METHOD FOR MULTILAYER CERAMIC SUBSTRATE  
MEASURING INSTRUMENT WITH DIAMOND COATED CONTACTS  
METALLIZED ALUMINUM NITRIDE SUBSTRATE  
METHOD AND APPARATUS FOR FABRICATING FERROELECTRIC  
METHOD FOR ANALYSING A HIGH-TC SUPERCONDUCTOR  
METHOD FOR CONNECTING ELECTRONIC CIRCUITS IN A  
METHOD FOR DEPOSITING A TITANIUM OR TANTALUM NITRIDE  
METHOD FOR EPITAXIALLY GROWING GALLIUM NITRIDE LAYERS  
METHOD FOR FABRICATING FERROELECTRIC DOMAIN REVERSALS  
METHOD FOR FORMING AN INVISIBLE MARKING AND METHOD  
METHOD FOR FORMING AN IMPROVED FIELD ISOLATION  
METHOD FOR FORMING A CERAMIC CIRCUIT SUBSTRATE  
METHOD FOR FORMING FIELD OXIDE HAVING UNIFORM  
METHOD FOR FORMING A PLANAR FIELD OXIDE (FOX) ON  
METHOD FOR FORMING A STEP ON A DEPOSITION SURFACE OF A  
METHOD FOR FORMING TRENCHES IN FET DEVICES  
METHOD FOR LOCAL OXIDATION OF SILICON (LOCOS) FIELD  
METHOD FOR MAKING SURFACE RELIEF PROFILES  
METHOD FOR MANUFACTURING LATTICE-MATCHED SUBSTRATES  
METHOD FOR MANUFACTURING A SEMICONDUCTOR INTEGRATED  
METHOD FOR PREPARING MULTILAYER CERAMIC GLASS  
METHOD FOR PRODUCING CERAMIC-BASED COMPONENTS  
METHOD FOR PRODUCING DIAMOND BY A DC PLASMA JET  
METHOD FOR PRODUCING HIGH-TEMPERATURE SUPERCONDUCTING  
METHOD FOR PRODUCING SEMICONDUCTOR DEVICE  
METHOD FOR PRODUCING THICK CERAMIC FILMS BY A SOL-GEL  
METHOD FOR THE FORMATION OF A SILICA-BASED COATING  
METHOD OF ADHERING GREEN TAPE TO A METAL SUPPORT  
METHOD OF APPLYING CERAMIC COATING COMPOSITIONS TO  
METHOD OF COATING A SUBSTRATE WITH CERAMIC COATING  
METHOD OF DEPOSITING A SUPERCONDUCTOR LAYER ON A  
METHOD OF ETCHING AN OXIDE LAYER  
METHOD OF ETCHING SILICON CARBIDE  
METHOD OF FABRICATING BACKSIDE ILLUMINATED FET OPTICAL  
METHOD OF FABRICATING BARIUM STRONTIUM TITANATE  
METHOD OF FABRICATING HIGH THRESHOLD METAL OXIDE  
METHOD OF FABRICATING A PIEZOELECTRIC/ELECTROSTRICTIVE  
METHOD OF FABRICATING A TFT-EL PIXEL  
METHOD OF FORMING AN MOS-TYPE INTEGRATED CIRCUIT  
METHOD OF FORMING GREEN LIGHT EMITTING DIODE IN  
METHOD OF FORMING A HIGH-TC MICROBRIDGE SUPERCONDUCTOR  
METHOD OF FORMING MOSFET DEVICES WITH BURIED BITLINE  
METHOD OF FORMING MULTIPLE GATE OXIDE THICKNESSES ON A  
METHOD OF FORMING A SEMICONDUCTOR DEVICE HAVING CMOS  
METHOD OF FORMING A SUPERCONDUCTOR MICROSTRIP  
METHOD OF MAKING CEMENTED CARBIDE SUBSTRATE  
METHOD OF MAKING A CMOS DYNAMIC RANDOM-ACCESS MEMORY  
METHOD OF MAKING COFRED, MULTILAYER SEMICONDUCTOR  
METHOD OF MAKING A FERRITE/SEMICONDUCTOR  
METHOD OF MAKING A FIELD EFFECT TRANSISTOR HAVING AN  
METHOD OF MAKING MULTILAYER CERAMIC SUBSTRATES  
METHOD OF MAKING A SEMICONDUCTOR DEVICE HAVING A  
METHOD OF MAKING A SUBSTRATE OF A CERAMIC MATERIAL  
METHOD OF MAKING SUBSTRATES FOR THE GROWTH OF  
METHOD OF MANUFACTURING A CERAMIC SUBSTRATE  
METHOD OF MANUFACTURING HIGH PERFORMANCE BIPOLAR  
METHOD OF MANUFACTURING A MULTILAYERED WIRING
- 76-00577C  
76-05581P  
76-02072P  
76-04554P  
76-00824P  
76-00763P  
76-05411A  
76-00271P  
76-08999P  
76-01596A  
76-05068P  
76-05411A  
76-00271P  
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76-00157P  
76-05541P  
76-04961P  
76-03631P  
76-00826P  
76-00828P  
76-00998P  
76-00999P  
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76-01798P  
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76-03981A  
76-07488P  
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76-02116P  
76-07794P  
76-06665P  
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76-05744P  
76-05584P  
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76-05585P  
76-06677P  
76-09067P  
76-02126P  
76-07506P

- METHOD OF MANUFACTURING A MULTIPLE TRACK THIN-FILM METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE THAT METHOD OF PRODUCING CERAMIC DIAPHRAGM STRUCTURE HAVING METHOD OF PRODUCING A CERAMIC ELECTRONIC DEVICE METHOD OF PRODUCING A SILICON CARBIDE SEMICONDUCTOR METHOD OF PRODUCING THICK MULTILAYER SUBSTRATES METHOD OF SPUTTERING A SILICON NITRIDE FILM METHODS FOR FORMING A CONTACT IN A SEMICONDUCTOR METHODS OF FABRICATING VOLTAGE BREAKDOWN RESISTANT METHODS OF MASS PRODUCTION OF SEMICONDUCTOR DEVICES METHODS OF POLISHING SEMICONDUCTOR SUBSTRATES MOVCD GROWTH OF GaN FILMS ON LATTICE-MATCHED OXIDE MODIFIED SILICON OXIDE BARRIER COATINGS PRODUCED BY MODIFIED SUBSTRATE SURFACE AND METHOD MODULITHIC, BURIED-SUBSTRATE, CERAMIC MULTIPLE MOSFET DEVICE HAVING CONTROLLED PARASITIC ISOLATION MOSFET HAVING IMPROVED DRIVING PERFORMANCE MULTICHIP CERAMIC MODULE FOR MOUNTING ELECTRIC PARTS MULTILAYER CERAMIC CIRCUIT SUBSTRATE, PROCESS FOR MULTILAYER CERAMIC SUBSTRATES HAVING INTERNAL MULTILAYER COATED HARD ALLOY CUTTING TOOL MULTILAYERED GLASS SUBSTRATE MULTIPLE LEVEL MASK FOR PATTERNING OF CERAMIC NANOTUBES IN GaN NON-MAGNETIC SUBSTRATE MATERIAL FOR USE IN FLYING-TYPE NOVEL MONOLITHIC INTEGRATED DEVICE COMBINATIONS ON OBSERVATION OF A TWO-DIMENSIONAL ELECTRON GAS IN THE PHOTOCHEMICALLY MODIFIED DIAMOND SURFACES, AND METHOD PHOTOIMAGABLE THICK FILM METALLISATION ON MICROWAVE PHOTOVOLTAIC OXIDE CHARGE MEASUREMENT PROBE TECHNIQUE PHYSICAL VAPOR DEPOSITION OF DIAMOND-LIKE CARBON FILMS PIEZOELECTRIC-ELECTROSTRICTIVE FILM ELEMENT AND METHOD PLANARISATION OF SURFACE OF ALUMINIUM NITRIDE PLASMA ENHANCED CHEMICAL VAPOUR DEPOSITION OF TITANIUM POLISHING TECHNOLOGY FOR LCD GLASS SUBSTRATE POST METAL THIN FILM WITH GLASS DIELECTRIC LAYER PRECURSORS AND PROCESSES FOR MAKING METAL OXIDES PRESSURE SENSING DEVICE PRESSURE-CONTROLLED GaN MBE GROWTH USING A HOLLOW PROCESS AND APPARATUS FOR MANUFACTURING CERAMIC PROCESS FOR DEPOSITING DIAMOND BY CVD PROCESS FOR FORMING NITRIDE PROTECTIVE COATINGS PROCESS FOR FORMING OXIDE SUPERCONDUCTING FILMS WITH A PROCESS FOR MAKING MULTILEVEL INTERCONNECTIONS OF PROCESS FOR PRODUCING A GLASS-COATED ARTICLE PROCESS FOR PRODUCING A LITHIUM NIOBATE THIN FILM PROCESS FOR PRODUCTION OF A MAGNETIC HEAD PROCESS FOR SYNTHESIZING DIAMOND USING COMBUSTION PROCESS FOR THE PRODUCTION OF DIELECTRIC THIN FILMS PROCESS FOR THE PRODUCTION OF LONG FIBROUS SILICON PROCESS FOR OXYGEN NITRIDE DEPOSITION USING CVD PROCESSING AND PROPERTIES OF ALUMINIUM NITRIDE REACTOR FOR THE PRODUCTION OF SHORT CERAMIC FIBRES REDUCED THERMAL DECOMPOSITION OF OH-FREE LiNbO<sub>3</sub> SELECTIVE CALL RAMP HAVING A CERAMIC SUBSTRATE FOR SELECTIVE GROWTH OF GaN AND Al<sub>0.2</sub>Ga<sub>0.8</sub>N ON GaN SEMICONDUCTOR CHIP PACKAGE WITH ENHANCED THERMAL SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF SEMICONDUCTOR DEVICE AND METHOD FOR FABRICATION SEMICONDUCTOR DEVICE AND METHOD FOR FORMING THE SAME SEMICONDUCTOR DEVICE HAVING FIRST AND SECOND GATE SEMICONDUCTOR DEVICE HAVING IMPROVED JUNCTION SEMICONDUCTOR DEVICE HAVING ISOLATING REGIONS SEMICONDUCTOR DEVICE INCORPORATING A CONTACT FOR SEMICONDUCTOR DEVICE WITH A PAIR OF DUMMY ELECTRODES SILICON CARBIDE CARRIER FOR WAFER PROCESSING SILICON CARBIDE STATIC INDUCTION TRANSISTOR SILICON CARBIDE THYRISTOR SILICON INTEGRATED CIRCUIT WITH PASSIVE DEVICES OVER SILVER ADDITIVES FOR CERAMIC SUPERCONDUCTORS SINGLE MODE OPTICAL TRANSMISSION FIBRE, AND METHOD OF SOI SEMICONDUCTOR DEVICE AND METHOD OF PRODUCING SAME SOI SUBSTRATE AND METHOD OF PRODUCING THE SAME STRUCTURAL SUPPORT FRAME FOR CERAMIC TILE CORNER SEATS SUBMICRON BONDED SOI BY TRENCH PLANARIZATION SUBSTRATE CONFIGURATION FOR CATALYTIC COMBUSTION SUBSTRATE MATERIALS FOR MAGNETIC HEADS WITH LOW FLYING SUBSTRATE MATERIALS FOR MAGNETIC HEADS WITH LOW FLYING SUBSTRATE OF A CERAMIC MATERIAL SUPERCONDUCTING DEVICE HAVING AN EXTREMELY THIN SUPERCONDUCTING DEVICE HAVING A REDUCED THICKNESS OF SUPERCONDUCTING DEVICE HAVING A SUPERCONDUCTING SUPERCONDUCTING QUANTUM INTERFERENCE DEVICE FORMED OF SUPERCONDUCTING THIN FILM HAVING AT LEAST ONE ISOLATED SUPERCONDUCTING THIN FILM SYSTEM USING A GARNET SUPERCONDUCTOR SUPERPOLISHING AGENT, PROCESS FOR POLISHING HARD SURFACE BREAKDOWN REDUCTION BY COUNTER-DOPED ISLAND IN SURFACE RECONSTRUCTIONS AND II-V STOICHIOMETRY: THE SYNTHESIS AND CHARACTERISATION OF Ba<sub>2</sub>xSr<sub>1-x</sub>Fe<sub>2</sub>O<sub>6</sub> TEMPERATURE SENSOR HAVING A CERAMIC SUBSTRATE WITH LOW THERMAL BARRIER COATING FOR A SUPERALLOY ARTICLE AND ULTRA-SMOOTH CERAMIC SUBSTRATES AND MAGNETIC DATA ULTRATHIN SILICON OXIDE AND METAL OXIDE FILMS AND A UV-ENHANCED DRY STRIPPING OF SILICON NITRIDE FILMS VIA STRUCTURE OF A MULTILAYER INTERCONNECTION CERAMIC WIRING SUBSTRATE YELLOW/ORANGE PIGMENTS COMPRISING ZIRCONIUM OXIDE AND ZINC OXIDE PIEZOELECTRIC CRYSTAL FILM ON SAPPHIRE ZIRCONIUM OXIDE AND ZIRCONIUM NITRIDE COATED GUIDE
- SULPHATES**  
ACTIVATED SILICA SOL  
ANTIMICROBIAL PARTICLES OF SILVER AND BARIUM SULPHATE COMPOSITIONS AND METHODS FOR WASTE TREATMENT FOAMED MAGNETITE CEMENT AND ARTICLES MADE THEREWITH
- SULPHIDES**  
ALKALINE EARTH MODIFIED GERMANIUM SULPHIDE GLASS CORROSION-RESISTANT CERAMIC MATERIALS DEPOSITION OF AN ON W<sub>3</sub>SiO<sub>5</sub> SUBSTRATE BY ATOMIC EFFECT OF GLASS PURITY ON THE GLASS STABILITY AND EVIDENCE OF COMPLEX IONIC MOTION IN Li<sub>2</sub>S-(1-x)B<sub>2</sub>S<sub>3</sub> HYDROGEN SULPHIDE CONVERSION WITH NANOPHASE TITANIA LASER SPECTROSCOPY OF Pr<sup>3+</sup> DOPED GERMANIUM LOW FREQUENCY RAMAN SCATTERING SPECTRA OF MODIFIED GERMANIUM SULPHIDE GLASS NEW CHALCOGENIDE GLASSES IN THE SYSTEM BaS-CdS-GeS<sub>2</sub> PHOSPHOR WITH AN ADDITIVE FOR REDUCING AFTERGLOW PHOTOINDUCED SURFACE DEPOSITION OF METALLIC SILVER IN PREPARATION AND PROPERTIES OF BaS-Ga<sub>2</sub>S<sub>3</sub> GLASSES PROCESS FOR THE PREPARATION OF NANODIMENSIONAL RARE-EARTH-DOPED MULTICOMPONENT Ge-BASED SULPHIDE RUTHERFORD BACKSCATTERING AND KINETICS STUDY OF THE SENSITIZING EFFECT OF Ti<sup>4+</sup> ON 2.9 MICROMETER STRUCTURAL ASPECTS OF THE SOLUBILITY OF Pr<sup>3+</sup> IONS SURFACE REFLECTING MIRROR HAVING A SURFACE REFLECTING
- 76-01045P  
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76-07853C  
76-04634P  
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76-08198A  
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76-07868P  
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76-02191P  
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76-01723P  
76-00662P  
76-01010P  
76-04694P
- 76-04520P  
76-04524P  
76-08623P  
76-06983P
- 76-05152P  
76-02239P  
76-07558C  
76-07120C  
76-03058A  
76-02085P  
76-07138C  
76-03237A  
76-05160P  
76-07210C  
76-00860P  
76-07087A  
76-07221C  
76-09116P  
76-07156C  
76-08799A  
76-07161A  
76-07097C  
76-02604P
- SYNTHESIS AND PROPERTIES OF GeS<sub>2</sub>-Ga<sub>2</sub>S<sub>3</sub>-NdCl<sub>3</sub> AND  
**SULPHUR**  
CALORIMETRIC MEASUREMENTS ON Ge-Sb-S GLASSES COMPOSITIONAL DEPENDENCE OF THE PHOTOINDUCED SURFACE PREPARATION AND PROPERTIES OF Ge-Sb-S GLASSES FOR  
**SULPHUR DIOXIDE**  
REDUCTION OF THE SULPHUR OXIDE EMISSIONS DURING TUNNEL EMISSION IN FIRING CERAMICS  
**SULPHUR OXIDE**  
APPARATUS FOR APPLYING SO<sub>3</sub> TO FLOAT GLASS  
**SUPERCONDUCTING QUANTUM INTERFERENCE DEVICE**  
COMPLEX SUPERCONDUCTING QUANTUM INTERFERENCE DEVICE FABRICATION METHOD OF SUPERCONDUCTING QUANTUM MAGNETICAL SHIELDED MAGNETIC SENSOR WITH SQUID AND SQUID DETECTOR WITH FLUX FEEDBACK COIL SIZED AND SUPERCONDUCTING QUANTUM INTERFERENCE DEVICE FORMED OF  
**SUPERCONDUCTING QUANTUM INTERFERENCE DEVICE (SQUID)**  
PRACTICAL ASPECTS FOR SOLID APPLICATIONS  
**SUPERCONDUCTIVITY**  
BI-EPITAXIAL GRAIN BOUNDARIES IN YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> THIN CERAMIC SUPERCONDUCTING LEAD RESISTANT TO BREAKAGE  
**CHARACTERISTICS OF Bi(Pb)-Sr-Ca-Cu-O SUPERCONDUCTOR**  
CRITICAL CURRENT DENSITY AND BEST TRANSPORT CURRENT OF DISTRIBUTIONS OF Y<sub>2</sub>Ba<sub>1</sub>Cu<sub>10</sub>S PARTICLES IN EFFECT OF Ag-PARTICULATE ADDITION ON PROCESSING EFFECT OF Fe DIFFUSION ON STRUCTURAL AND EFFECT OF SODIUM SUBSTITUTION ON SUPERCONDUCTIVITY IN EFFECTS OF Ne+ IMPLANTATION AND RAPID THERMAL ENHANCEMENT OF THE CRITICAL PARAMETERS OF Bi-2212 FORMATION OF YBa<sub>2</sub>Cu<sub>3</sub>O<sub>6.5</sub>-DELTA IN A LOW HUMIDITY INFLUENCE OF PRECURSORS AND SYNTHETIC CONDITIONS ON La<sub>2</sub>Cu<sub>1-x</sub>Li<sub>x</sub>O<sub>4-y</sub> AND Nd<sub>2</sub>Cu<sub>1-x</sub>Li<sub>x</sub>O<sub>4-y</sub> SOLID SOLUTIONS METHOD OF MAKING MULTILAYER DISTORTED-LATTICE ON THE EFFECT OF Cd DOPING AND Cd-La COODING IN PRECURSOR ROUTE TO PREPARE SUPERCONDUCTING PREPARATION AND CRITICAL CURRENT DENSITY OF Bi-BASED PREPARATION OF HIGH-Tc SUPERCONDUCTING CERAMIC/POLYMER PREPARATION OF PURE YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> SUPERCONDUCTORS FROM RAMAN SPECTRA OF Bi-Sr-Ca-Cu-O HIGH TEMPERATURE STABILITY QUANTISATION OF THE 1D HUBBARD MODEL IN STRUCTURAL AND MAGNETIC INTERACTION OF STRUCTURAL AND SUPERCONDUCTING PROPERTIES OF SUPERCONDUCTING OXYCARBONATES SUPERCONDUCTING PROPERTIES OF Bi-2212 IN PARTIALLY SUPERCONDUCTING RADIO-FREQUENCY WINDOW ASSEMBLY SUPERCONDUCTIVITY IN (Ti,Pb)CuO<sub>2</sub> AND SYNTHESIS AND SUPERCONDUCTING PROPERTIES OF THE SYNTHESIS AND SUPERCONDUCTIVITY OF A NEW TYPE OF 1212 TEXTURE AND CHEMICAL COMPOSITION ANALYSES ON THE YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> ADDITION AND ITS EFFECTS ON CRITICAL CURRENTS YTTRIUM OR RARE-EARTH SUBSTITUTED METAL OXIDE
- SUPERCONDUCTORS**  
1-2-3 SINGLE CRYSTAL OXIDE SUPERCONDUCTOR CONTAINING 1-2-4 COPPER OXIDE SUPERCONDUCTOR, A PROCESS FOR ITS 3D IBAIR PHASE EQUILIBRIA OF THE La<sub>2</sub>O<sub>3</sub>-SrO-CuO SYSTEM ACOUSTIC EXCITATIONS OF YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> POWDERS IN A ACTIVATION ENERGY FOR CRYSTALLISATION OF MELT-QUENCHED A203 ADDITIONS FOR ISOTHERMAL MELT PROCESSING OF ALTERNATIVES FOR FERMIL LEVEL LOCATION IN CUBIC AMORPHOUS METAL-CERAMIC COMPOSITE MATERIAL ANALYSIS OF THE HfBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> THIN FILM GROWTH MECHANISM APPARATUS FOR CHARACTERIZING HIGH-TEMPERATURE APPARATUS FOR SELF-SUFFICIENTLY COOLING ARRANGEMENT OF GOLD CLUSTERS IN YBCO:Au ASSESSMENT OF STRUCTURE AND CRITICAL TEMPERATURE BIAXIAL ALIGNMENT OF HIGH-Tc SUPERCONDUCTOR Bi-BASED SUPERCONDUCTORS DOPED WITH B2O3 BI-EPITAXIAL GRAIN BOUNDARIES IN YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> THIN (Bi,Pb)SrCaCuO PRECURSOR MATERIAL FOR THE OXIDE POWDER BISMUTH INFLUENCE ON THE FORMATION OF Hg-1234 PHASE BISMUTH OXIDE SUPERCONDUCTOR METHOD OF PREPARING BPSCCO-Ag POWDERS BY A WET METHOD AND A LOW-CARBON BYPASS CRYOGENIC CURRENT LEAD EMPLOYING CERAMIC SUPERCONDUCTING LEAD RESISTANT TO BREAKAGE  
CHANGE IN RESISTANCE TO MICRO-PLASTIC DEFORMATION IN CHANGE OF PHASE COMPOSITION AND MORPHOLOGY OF CHARACTERISATION OF YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub>-DELTA THIN FILMS CHARACTERISTICS OF Bi(Pb)-Sr-Ca-Cu-O SUPERCONDUCTOR CHEMICALLY TAILORRED CORROSION-RESISTANT HIGH-Tc COMPLEX SUPERCONDUCTING QUANTUM INTERFERENCE DEVICE COMPOSITE MATERIALS OF HIGH-Tc SUPERCONDUCTORS BY COMPOSITION OF THALLIUM HIGH-Tc OXIDES PREPARED BY COMPUTER-MODELLED DEFORMATION MECHANISM MAPS FOR HOT CONSTRUCTION OF EQUILIBRIUM PHASE DIAGRAM BY CONSTRUCTION OF PHASE DIAGRAMS BY "IN SITU" CONTROL OF MEANDERING GRAIN BOUNDARY CONFIGURATIONS IN CONTROL OF THE Nd<sub>4</sub>Zr<sub>2</sub> SECOND PHASE FOR THE IMPROVEMENT CONTROLLED DECOMPOSITION AND REFORMATION OF THE 2223 CONTROLLED LEVITATION SUSPENSION IN A CORRELATING THERMOCHEMICAL DATA OF THE OXYGEN NON-CRITICAL AND IRREVERSIBLE FIELDS OF GRANULAR CRITICAL CURRENT CALCULATIONS IN HIGH TEMPERATURE CRITICAL CURRENT DENSITY AND BEST TRANSPORT CURRENT OF CRITICAL MAGNETIC FIELDS OF ANOMALOUS SUPERCONDUCTORS CRYSTAL STRUCTURE, ELECTRON SPECTRUM, AND CRYSTALLINITY OF YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> SINGLE CRYSTALS GROWN BY CURRENT-VOLTAGE HYSTERESIS IN GdBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub>-DELTA DEMONSTRATION OF YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> PARTICLE SEGREGATION IN DENSE POLYCRYSTALLINE BaZrO<sub>3</sub> SUBSTRATES FOR DEPENDENCE OF CHARACTERISTIC PROPERTIES OF DEPENDENCE OF Tc ON CARRIER CONCENTRATION IN HIGH-Tc DEPOSITION OF CERAMIC THIN FILMS ON STAINLESS STEEL: DEVELOPMENT OF HIGH-Tc SUPERCONDUCTING TAPES AND THEIR DISTRIBUTIONS OF Y<sub>2</sub>Ba<sub>1</sub>Cu<sub>10</sub>S PARTICLES IN DOMAIN GROWTH IN PARTIALLY MELTED BULK DEPENDENCE OF Tc ON CARRIER CONCENTRATION IN SINGLE-EFFECT OF Ag-PARTICULATE ADDITION ON PROCESSING EFFECT OF ANNEALING ON THERMAL AND ELECTRICAL EFFECT OF Ca,Cu AND Ca,Pb EXCESS ON THE EFFECT OF Fe DIFFUSION ON STRUCTURAL AND EFFECT OF GAMMA IRRADIATION ON STRUCTURE AND EFFECT OF OXYGEN PARTIAL PRESSURE ON THE Tl<sub>2</sub>Ba<sub>2</sub>CuO<sub>x</sub> EFFECT OF PRECURSOR HISTORY ON SYNTHESIS OF HIGH-Tc EFFECT OF SINTERING PERIODS ON THE MICROSTRUCTURE AND EFFECT OF SODIUM SUBSTITUTION ON SUPERCONDUCTIVITY IN EFFECT OF TEMPERATURE GRADIENT IN THE SOLUTION ON EFFECTING OF GRINDING OF Y<sub>2</sub>O<sub>3</sub>, BaCO<sub>3</sub> AND CuO ON EFFECTS OF Ca ADDITION AND DIFFERENT SINTERING EFFECTS OF DOPING ON THE ELECTRONIC STRUCTURE OF EFFECTS OF Ne+ IMPLANTATION AND RAPID THERMAL ELECTRICAL PROPERTIES OF EPOXY-MODIFIED YBCO ELECTRICAL PROPERTIES OF NONCONVENTIONAL Bi-Sr-Cu-O
- 76-07245C  
76-02592A  
76-02545A  
76-07222A  
76-06903A  
76-09361A  
76-08232P  
76-07711P  
76-08078P  
76-05784P  
76-05805P  
76-03587A  
76-08029A  
76-03528P  
76-03529P  
76-03513A  
76-01054A  
76-03521A  
76-01066A  
76-03527A  
76-03529A  
76-08039A  
76-01064A  
76-03527A  
76-05759A  
76-05789P  
76-08052A  
76-01077A  
76-08027A  
76-08057A  
76-08402A  
76-08059A  
76-08062A  
76-08067A  
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76-01084A  
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76-08067A  
76-08067A  
76-08071A  
76-08072A  
76-03616A  
76-03624A  
76-05811P  
76-08026A  
76-08075P  
76-03626P  
76-08759A  
76-08027A  
76-03502A  
76-05751A  
76-03503A  
76-03148P  
76-03504A  
76-00751P  
76-03505A  
76-03506A  
76-08029A  
76-08076P  
76-03508A  
76-08076P  
76-03508A  
76-08030A  
76-03627P  
76-01094P  
76-01095P  
76-08031A  
76-03509A  
76-05752A  
76-08032A  
76-03630P  
76-08711P  
76-01048A  
76-05753A  
76-08033A  
76-08034A  
76-08764A  
76-01050A  
76-03510A  
76-01049A  
76-01097P  
76-01050A  
76-03511A  
76-03512A  
76-03513A  
76-03514A  
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76-01051A  
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76-03527A  
76-03687A  
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76-08036A  
76-08037A  
76-01058A  
76-03528A  
76-03529A  
76-05754A  
76-01059A

- ELECTROCHEMICAL SYNTHESIS OF HIGH TEMPERATURE ELECTRODEPOSITION PROCESS FOR FORMING SUPERCONDUCTING ELECTROMAGNETIC AND MICROSTRUCTURAL INVESTIGATIONS OF ELECTROMAGNETIC APPLICATIONS OF MELT-PROCESSED YBCO ENHANCED FLUX PINNING IN SUPERCONDUCTORS BY NANOTUBES ENHANCEMENT OF THE CRITICAL PARAMETERS OF Bi-2212 ENHANCEMENT OF THE FISHTAIL EFFECT IN THE EPITAXIAL HIGH TC SUPERCONDUCTORS ON SILICON ETCHING OF MELT-PROCESSED YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7- $\delta$</sub>  DELTA FOR SEM FABRICATION AND CHARACTERIZATION OF A HIGH TEMPERATURE FABRICATION AND CHARACTERISTICS OF WEAK LINKS BETWEEN FABRICATION AND MICROSTRUCTURE OF THE FABRICATION OF DOUBLE-SIDED YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> THIN FILMS BY FABRICATION OF LARGE GRAIN YBCO BY SEEDED PERITECTIC FABRICATION OF OXIDE SUPERCONDUCTOR DEVICES AND FABRICATION OF SUPERCONDUCTING WIRES AND ROOLS FABRICATION OF THE IN-PLANE ALIGNED  $\alpha$ -AXIS ORIENTED FACETING, DISLOCATION NETWORK STRUCTURE, AND VARIOUS FERROELECTRIC RF LIMITER FIELD DEPENDENCE AND RELAXATION OF REMANENT FLUX-MESH SUPERCONDUCTING MCM FLUCTUATION-INDUCED ANISOTROPIC MAGNETOCONDUCTIVITY IN FORMATION AND STABILITY OF 80 K PHASE IN THE FORMATION MECHANISM OF THE DEFECTS AROUND Y<sub>2</sub>BaCuO<sub>5</sub> FORMATION OF PORES AND Y<sub>2</sub>BaCuO<sub>5</sub>-FREE REGIONS DURING FRAGMENT APPROXIMATION IN STRUCTURAL CLASSIFICATION OF GAP ANISOTROPY OF LAYERED CUPRATES IN THE FRAMEWORK OF GROWTH MECHANISM AND ANOMALOUS MAGNETISATION PEAK GROWTH MECHANISM AND MORPHOLOGY OF HALL EFFECT MEASUREMENT ON Cu-1234 SUPERCONDUCTORS (Hg,Cu)Ba<sub>2</sub>sub<sub>2</sub>Ca<sub>2</sub>sub<sub>2</sub>Cu<sub>2</sub>O<sub>8</sub> OXIDE SUPERCONDUCTOR AND METHOD OF HIGH PRESSURE SYNTHESIS OF HgBa<sub>2</sub>Cu<sub>2</sub>O<sub>8</sub> WITH A HIGH RESOLUTION TRANSMISSION ELECTRON MICROSCOPY STUDY HIGHLY ORIENTED STRUCTURE OF YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7- $\delta$</sub>  HIGH-TC SUPERCONDUCTING DEVICES ON DICRYSTALL HIGH-TC SUPERCONDUCTING TUNABLE FERROELECTRIC HIGH-TEMPERATURE AC SUPERCONDUCTING MAGNETS FOR A HIGH-TEMPERATURE STABILITIES OF YCuO<sub>2</sub>, BaCu<sub>2</sub>O<sub>2</sub> AND HIGH-TEMPERATURE SUPERCONDUCTING FAULT CURRENT LIMITER HIGH-TEMPERATURE SUPERCONDUCTING JOSEPHSON DEVICES HIGH-TEMPERATURE SUPERCONDUCTING THIN-FILM HIGH-TEMPERATURE SUPERCONDUCTOR DIELECTRIC SLOW WAVE HIGH-TEMPERATURE SUPERCONDUCTOR LUMPED ELEMENT HIGH-TEMPERATURE SUPERCONDUCTOR LUMPED ELEMENTS AND HIGH-TEMPERATURE SUPERCONDUCTOR STAGGERED RESONATOR HOT PRESSING OF YBCO-TYPE SUPERCONDUCTORS HYDRATION OF YBa<sub>2</sub>Cu<sub>3</sub>O<sub>6</sub>-DELTA IN A LOW-HUMIDITY IMPROVEMENT OF CRITICAL CURRENT DENSITY AND INDUCED CURRENTS IN Bi-(2223) SUPERCONDUCTING TAPES IN INFLUENCE OF ANNEALING TREATMENTS ON PROPERTIES OF INFLUENCE OF Ar ION ETCHING ON TC OF LIQUID-QUENCHED INFLUENCE OF GRAIN SIZE ON THE TOUGHNESS AND THERMAL INFLUENCE OF PRECURSORS AND SYNTHETIC CONDITIONS ON INFLUENCE OF THE MAGNETIC FIELD ON THE ELECTROMAGNETIC INFLUENCE OF THE STARTING STOICHIOMETRY AND ANNEALING INFLUENCE OF THE STRUCTURE ON THE ELECTRICAL AND INFLUENCE OF THE SUBSTRATE ON THE STRUCTURAL AND INFLUENCE OF VARIATION OF THE H<sub>2</sub> AND P<sub>2</sub> INFLUENCE OF WEAK VISIBLE LIGHT ON FLUX CREEP IN HTSC INFLUENCES OF OXYGEN PARTIAL PRESSURE ON YBCO GRAIN INTERDENDRITIC SPACING AND VOLUME FRACTION OF INVESTIGATION OF THE INVARIANT REACTIONS IN THE JOINT DEVICE INCLUDING SUPERCONDUCTIVE PROBE HEADS FOR JOSEPHSON JUNCTION DEVICE FORMED OF OXIDE JOSEPHSON JUNCTION DEVICE OF OXIDE SUPERCONDUCTOR AND JOSEPHSON JUNCTION IN A WIRING PATTERN OF A KINETIC COEFFICIENTS IN THE HUBBARD MODEL WITH La<sub>2</sub>Cu<sub>1-x</sub>Li<sub>x</sub>O<sub>4-y</sub> AND Na<sub>2</sub>Cu<sub>1-x</sub>Li<sub>x</sub>O<sub>4-y</sub> SOLID SOLUTIONS LASER SYSTEM FOR LASER ABLATION PROCESS AND LASER LATTICE MATCHING SUPERCONDUCTING DEVICE WITH  $\alpha$ - AND LCAO ANALYSIS OF THE ELECTRON BAND STRUCTURE AND FERMI LIA<sub>2</sub>CuO<sub>4</sub> PLUS OR MINUS  $y$ , Li<sub>2</sub>Nd<sub>2</sub>CuO<sub>4</sub> PLUS OR MINUS LOCAL DENDRITE DEVELOPMENT DURING SEEDED PERITECTIC LOW-LOSS, WIDE-BANDWIDTH LIMITER LOW-LOSS, HIGH-SPEED, HIGH-TC SUPERCONDUCTING BEARINGS LOW-LOSS, HIGH-SPEED, HIGH-TC SUPERCONDUCTING BEARINGS LOW-TC AND HIGH-TC SUPERCONDUCTING DETECTORS FOR HIGH LOW-TEMPERATURE (T LOWER THAN 90 K) PREPARATION OF LUNAR-307  $\alpha$  THIN FILMS PREPARED USING MO-CVD MACROSEGREGATION OF YBa<sub>2</sub>CuO<sub>5</sub> PARTICLES IN MAGNETIC ALIGNMENT IN 2212 Bi-BASED SUPERCONDUCTING MAGNETIC INVESTIGATIONS ON Hg<sub>1-x</sub>Ba<sub>2-x</sub>Ca<sub>2-x</sub>O<sub>8</sub> CERAMICS MAGNETIC VORTEX STATE OF ALIGNED (Bi,Pb)<sub>2</sub>Sr<sub>2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>x</sub> MAGNETICALLY SHIELDED MAGNETIC SEEDING WITH SQUID AND MAGNETORESISTANCE ANISOTROPY IN EPITAXIAL YBa<sub>2</sub>Cu<sub>1-x</sub> MATERIAL AND PROCESS FOR THE ADSORPTION AND DESORPTION MEASUREMENT OF FORMATION FREE ENERGY OF Y<sub>2</sub>CuO<sub>5</sub> BY EMP MECHANICAL BEHAVIOUR OF Mg<sub>2</sub>O-WHISKER REINFORCED MELTING AND VAPORISATION OF THE 1223 PHASE IN THE MELT-TEXTURING PROCESSES OF HTS MERCURY SUPERCONDUCTOR CRYSTAL GROWTH UNDER HIGH METAL OXIDE 247 SUPERCONDUCTING MATERIALS METHOD AND APPARATUS FOR DAMPING MECHANICAL VIBRATION METHOD AND APPARATUS FOR EVALUATION OF METHOD AND APPARATUS FOR FABRICATING SUPERCONDUCTOR METHOD AND APPARATUS FOR MANUFACTURING SUPERCONDUCTING METHOD FOR FORMING HIGH-TC SUPERCONDUCTING DEVICES METHOD FOR FORMING A STEP ON A DEPOSITION SURFACE OF A METHOD FOR HIGH-TEMPERATURE SUPERCONDUCTING METHOD FOR MANUFACTURING LATTICE-MATCHED SUBSTRATES METHOD FOR MANUFACTURING SUPERCONDUCTING CERAMICS IN A METHOD FOR MANUFACTURING SUPERCONDUCTING DEVICE HAVING METHOD FOR MANUFACTURING A THREE-TERMINAL METHOD FOR MANUFACTURING TUNNEL JUNCTION TYPE METHOD FOR MICROWAVE PROCESSING OF HIGH-TEMPERATURE METHOD FOR PREPARING HOLLOW OXIDE SUPERCONDUCTORS METHOD FOR PRODUCING HIGH-TEMPERATURE SUPERCONDUCTING METHOD FOR SYNTHESIS OF HIGH-TEMPERATURE Hg-Ba-Ca-Cu-O METHOD OF DEPOSITING A SUPERCONDUCTING LAYER ON A METHOD OF FABRICATING A (1223) Ti-Ba-Ca-Cu-O METHOD OF FABRICATING OXIDE SUPERCONDUCTING FILMS BY METHOD OF FORMING A HIGH-TC MICROBRIDGE SUPERCONDUCTOR METHOD OF MAKING POLYCRYSTALLINE THIN FILM AND METHOD OF MANUFACTURING AN ENCASED WIRE OF HIGH METHOD OF MANUFACTURING AN OXIDE SUPERCONDUCTOR WITH METHOD OF MANUFACTURING CERAMIC SUPERCONDUCTOR CIRCUIT METHOD OF MANUFACTURING OXIDE SUPERCONDUCTOR METHOD OF MELTING CERAMIC SUPERCONDUCTIVE MATERIAL METHOD OF MONITORING THE FABRICATION OF Bi-2223 METHOD OF PREPARING BISMUTH OXIDE SUPERCONDUCTOR METHOD OF PREPARING OXIDE HIGH-TEMPERATURE METHOD OF PRODUCING CERAMICS SYSTEM SUPERCONDUCTING METHOD OF PRODUCING OXIDE SUPERCONDUCTOR METHOD OF RETAINING MELT OF OXIDE
- METHOD OF TREATING A PART MADE OF A SUPERCONDUCTIVE MICROSTRUCTURAL INVESTIGATIONS ON MELT GROWN MICROSTRUCTURAL STUDY OF GROWTH OF A MICROSTRUCTURE AND CRITICAL CURRENT DENSITY IN MICROSTRUCTURE AND SUPERCONDUCTING PROPERTIES OF MICROSTRUCTURE, COMPOSITION AND TRANSPORT MAGNITUDES MICROSTRUCTURE, GRAIN ORIENTATION, AND TRAPPED FIELD MICROSTRUCTURES OF  $\alpha$ -AXIS ORIENTED YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7- $\delta$</sub>  DELTA MIGRATING HOT ZONE IN POSITIVE TEMPERATURE COEFFICIENT Ni<sub>1-x</sub>SYNTHESIS OF A CO-2Y<sub>2</sub>O<sub>3</sub> SUPERCONDUCTOR MODEL ANALYSES OF THERMAL CONDUCTIVITY AND PURITY OF MODELING THE PREFERRED ORIENTATION IN BULK YBa<sub>2</sub>Cu<sub>3</sub>O<sub>x</sub> MODELLING OF REACTIVE SPRAY DRYING OF PRECURSORS FOR MODELLING OF THE OXYGEN ORDERING IN YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> BY MONOVARIANT AND INVARIANT EQUILIBRIA IN THE Ba<sub>2</sub>-Cu-O<sub>2</sub> (Nd, Ba) sub<sub>3</sub> Cu sub<sub>3</sub> O sub<sub>7- $\delta$</sub>  SUPERCONDUCTOR FILM NEAR NET SHAPE PROCESSING OF CONTINUOUS LENGTHS OF NEGATIVE U-CENTERS AND DEFECT SUPERCONDUCTIVITY NEW METALLIC, ORDERED PEROVSKITE THIN FILM NEW MODEL FOR THE FORMATION OF HIGH-TC PHASE IN NEW ROUTE TO STUDY FLUORINATION OF HIGH-TC NONBOLOMETRIC HIGH-FREQUENCY RESPONSE OF YBCO NONDESTRUCTIVE MAGNETO-OPTICAL IMAGING ANALYSIS OF NON-UNIFORM PHASE TRANSITION IN A YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7- $\delta$</sub>  DELTA BULK OPTIMIZED LIGHT MICROSTRUCTURE ANALYSIS OF ON CORRELATION BETWEEN THE T<sub>c</sub> VALUE AND CONDUCTION ON THE EFFECT OF Cd DOPING AND Co-La CODOPING IN ON THE SUPERCONDUCTIVITY AND STRUCTURAL PROPERTIES OF OPTICAL MANIFESTATION OF STRUCTURAL FEATURES IN POLARIZED LIGHT MICROSTRUCTURE ANALYSIS OF ORIGIN OF THE PH<sub>1</sub> PLUS OR MINUS 9 DEGREE PEAKS IN OXIDATION OF YTTRIUM BARIUM CUPRATE YBa<sub>2</sub>Cu<sub>3</sub>O<sub>6.09</sub> UNDER OXIDE FILMS AND NANO-SIZED POWDERS FABRICATED BY OXIDE SUPERCONDUCTING FILM MANUFACTURING APPARATUS OXIDE SUPERCONDUCTING FILMS IN CRANK-SHAPED OXIDE SUPERCONDUCTING WIRE AND SUPERCONDUCTING OXIDE SUPERCONDUCTIVE WIRE AND PROCESS FOR OXIDE SUPERCONDUCTOR AND METHOD FOR PRODUCING THE SAME OXIDE SUPERCONDUCTOR AND METHOD OF PRODUCING SAME OXIDE-BASED SUPERCONDUCTOR PROCESS FOR PREPARING OXYGEN PARTIAL PRESSURE DEPENDENCE OF THE YTTRIUM OXYGENATION AND DEFECT GENERATION PROCESSES IN PARAMAGNETIC MEISSNER EFFECT AND TIME REVERSAL NON-PATTERNING POLYMER METAL PRECURSOR FOR HIGH QUALITY PARALLEL CRITICAL FIELD FIELD CRITICAL FIELD PECULIARITIES OF RECRYSTALLISATION PRESSING METHOD AT PERCOLATIVE CURRENT-PASS AND YOUNG'S MODULUS IN PERITECTIC SOLIDIFICATION MODEL FOR Y-SYSTEM PHASE DIAGRAM OF OXYGEN ORDERING IN HIGH TEMPERATURE OPERATION OF THE OXYGEN ORDERING IN THE SYSTEM AT 950 C PHASE RELATIONSHIPS AND PHYSICAL PROPERTIES OF PHOTOEMISSION STUDY OF THE YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-Au</sub> COMPOSITE PHYSICO-CHEMICAL PROPERTIES AND MICROWAVE ABSORPTION OF PINNING OF VORTICES IN HIGH-TEMPERATURE POLYMERISED COMPLEX ROUTE TO THE SYNTHESIS OF POLYMER-METAL CHELATE PRECURSOR REDUCED ITS FIRING POSSIBLE APPLICATIONS OF SUPERCONDUCTING ELECTRICAL PRACTICAL ASPECTS FOR SQUID APPLICATIONS PREPARATION OF HIGH-TEMPERATURE SUPERCONDUCTIVITY: PH<sub>2</sub>YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> REDUCTION WITH n-BUTYL-LITHIUM PRECURSOR ROUTE TO PREPARE SUPERCONDUCTING PREPARATION AND CHARACTERISATION OF Y-SYSTEM PREPARATION AND CRITICAL CURRENT DENSITY OF Bi-BASED PREPARATION AND ELECTROCHEMICAL OXIDATION OF THIN-FILM PREPARATION AND STRUCTURAL INVESTIGATION OF PREPARATION OF BISMUTH- AND THALLIUM-CONTAINING HTSC PREPARATION OF EPITAXIAL Y<sub>1-x</sub>HoxBa<sub>2</sub>Cu<sub>3</sub>O<sub>7- $\delta$</sub>  DELTA HIGH TC PREPARATION OF HIGH-TC SUPERCONDUCTING CERAMIC POLYMER PREPARATION OF PURE YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-x</sub> SUPERCONDUCTORS FROM PREPARATION OF SUPERCONDUCTING OXIDES AND OXIDE-METAL
- PREPARATION OF THE SUPERCONDUCTING OXIDES MAGNETIC PREPARATION OF YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7- $\delta$</sub>  DELTA THIN FILM BY PREPARATION OF A YBa<sub>2</sub>Cu<sub>4</sub>O<sub>8</sub> HIGH-TEMPERATURE PREPARATION OF YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7- $\delta$</sub>  SUPERCONDUCTOR BY PROBLEMS IN THE PREPARATION OF SUPERCONDUCTORS PROCESS AND APPARATUS FOR PREPARING YBaCuO PROCESS FOR CLEANING A SURFACE OF THIN FILM OF OXIDE PROCESS FOR FABRICATING A SUPERCONDUCTING CIRCUIT PROCESS FOR FABRICATING A SUPERCONDUCTING WIRING PROCESS FOR FORMING OXIDE SUPERCONDUCTING FILMS WITH A PROCESS FOR FORMING A SUPERCONDUCTIVE FIREFORM PROCESS FOR MAKING JOSEPHSON JUNCTIONS PROCESS FOR MAKING A SINTERED BODY FROM ULTRAFINE PARTICLES OF SUPERCONDUCTOR FOR PREPARING A AS A PROCESS FOR PREPARING A LAYERED STRUCTURE CONTAINING PROCESS FOR PREPARING A LAYERED SUPERCONDUCTING PROCESS FOR PREPARING A PEROVSKITE Bi-CONTAINING PROCESS OF ANNEALING BiSCCO-2223 SUPERCONDUCTORS PROCESS OF FORMING OXIDE SUPERCONDUCTOR POSSESSING PROCESS OPTIMISATION FOR THE FABRICATION OF PROCESSING FOR Bi/Sr/Ca/Cu-O-2223 SUPERCONDUCTORS PROPAGATION OF A THERMAL INSTABILITY IN HIGH-TC PROPERTIES AND STABILITY OF Cu-YBaCuO COMPOSITES PROPERTIES OF YBCO OBTAINED BY MODIFIED QUANTUM PERCOLATION METAL-INSULATOR TRANSITION IN HIGH RADIATION EFFECTS ON YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7- $\delta$</sub>  DELTA HIGH-TC RAMAN SPECTRA OF Bi-Sr-Ca-Cu-O HIGH TEMPERATURE RAMAN SPECTROSCOPIC STUDY OF THE La<sub>0.5</sub>Pr<sub>0.5</sub>Sr<sub>0.5</sub>Ba<sub>0.5</sub>Cu<sub>3</sub>O<sub>7</sub> RARE-EARTH SUBSTITUTED THAL IUM-223 110 K RARE-EARTH SUBSTITUTED THAL IUM-223 110 K RELATION BETWEEN THE UNDERCOOLING AND THE GROWTH RATE RELATIONSHIP BETWEEN GROWTH RATE AND UNDERCOOLING REVERSIBLE AND IRREVERSIBLE PROPERTIES OF ANISOTROPIC ROLE OF Ba<sub>2</sub>NO<sub>3</sub>-DELTA IN THE FORMATION OF YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> PLUS n-Ti-Sr-Ca-Cu-O SUPERCONDUCTOR AND PROCESSES FOR SELECTIVE EPITAXIAL GROWTH OF HIGH-TC SUPERCONDUCTIVE SELECTIVE INSULATION ETCHING FOR FABRICATING SHAPING OF YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7- $\delta$</sub>  YBa<sub>2</sub>CuO<sub>5</sub> BULK SUPERCONDUCTING SILVER ADDITIVES FOR CERAMIC SUPERCONDUCTORS SINGLE ROUTE FOR SYNTHESIS OF A Bi-EPITAXIAL JUNCTION SIMULATION OF SOLIDIFICATION DYNAMICS IN REAL SINGLE CRYSTALLINE BULK OXIDE SUPERCONDUCTOR AND SINGLE CRYSTALS OF CERAMIC SUPERCONDUCTORS SINGLE-CRYSTAL STRUCTURE REFINEMENT OF FOUR COMPOUNDS 'SOL-STATE' PREPARATION OF HIGH TEMPERATURE SOLID-STATE KINETICS AND REACTION MECHANISMS FOR THE SOME NEW ASPECTS OF HIGH-TC SUPERCONDUCTORS: CHEMICAL SOME POSSIBLE EFFECTS OF PERIODIC PINNING IN HIGH TC SOME SMALL SCALE HIGH-TEMPERATURE SUPERCONDUCTING SPECTROSCOPIC COMPARISON OF YBCO SUPERCONDUCTORS SPRAY-PYROLYSIS PROCESS OF PREPARING SUPERCONDUCTING SQUID DETECTOR WITH FLUX FEEDBACK COIL SIZED AND STABILITY OF THE Ti-1223 PHASES STRONG HIGH-TEMPERATURE SUPERCONDUCTOR TRAPPED FIELD



- SUPERLATTICES**
- CVD PROCESS FOR FABRICATING LAYERED SUPERLATTICE  
InAsSb<sub>0.98</sub>In<sub>0.02</sub> SUPERLATTICE: A PROPOSED HETEROSTRUCTURE  
MODELLING OF Al/Ga INTERDIFFUSION IN AlGa<sub>x</sub>Ga<sub>1-x</sub>AS
- SUPERPLASTICITY**
- CEMENT ADDITIVES  
COMMERCIALISATION ISSUES IN SUPERPLASTIC FORMING OF  
COMPRESSIVE DEFORMATION BEHAVIOUR OF SUPERPLASTIC  
CRACK FORMATION AND OXIDATION IN SUPERPLASTICALLY  
FABRICATED SILICON CARBIDE NANOCERAMICS  
MICROSTRUCTURE AND MECHANICAL PROPERTIES OF  
SUBSTRUCTURES OF SUPERPLASTIC SILICON NITRIDE  
PLASTICITY OF NANOCRYSTALLINE ZIRCONIA CERAMICS AND  
QUANTITATIVE ANALYSIS OF CAVITATION IN Al-Cu-Mg METAL  
SOLUTION-PRECIPITATION PROCESS IN CREEP AND  
STRENGTH, DUCTILITY AND SUPERPLASTICITY OF  
Al-6% Cu-0.5% Mg ALLOY SUBJECTED TO VARIOUS S<sub>0.04</sub>N<sub>4</sub>  
SUPERPLASTIC DEFORMATION OF HIPED Mg<sub>2</sub>Al<sub>20</sub>Si<sub>2</sub> SPINEL  
SUPERPLASTIC Mg-BASED COMPOSITE MATERIAL AND METHOD  
SUPERPLASTIC Si<sub>3</sub>N<sub>4</sub> SINTERED BODY  
SUPERPLASTIC SILICON CARBIDE SINTERED BODY  
SUPERPLASTICITY OF CERAMIC MATERIALS. PT. 1 EFFECT OF  
SUPERPLASTICITY OF HIP Mg<sub>2</sub>O-Al<sub>2</sub>O<sub>3</sub> SPINEL: PROSPECTS FOR  
TWO-STEP METHOD TO OBTAIN SUPERPLASTIC SILICON NITRIDE
- SURFACE**
- AIR FILTRATION MEDIA  
ALL-CERAMIC DRILL BIT  
ULTRA-ABRASIVE ALUMINA-BASED GRAIN HAVING AN  
APPARATUS FOR APPLYING SO<sub>2</sub> TO FLOAT GLASS  
APPARATUS FOR DELIVERING A SILICA FILM FORMING  
APPARATUS FOR LOCALIZED SURFACE GLAZING OF CERAMIC  
APPARATUS FOR MOLDING A GLASS OPTICAL ELEMENT WITH A  
APPROPRIATE MATERIAL  
ATOMIC FORCE MICROSCOPY OF HEAVY METAL FLUORIDE  
BEARING ASSEMBLY  
BRAKE ROTORS/DRUMS AND BRAKE PADS PARTICULARLY ADAPTED  
CARBIDE AND CARBONITRIDE SURFACE TREATMENT METHOD FOR  
CAST REFRACTORY BASE SEGMENTS AND MODULAR FIBRE SEAL
- 76-08063A  
76-03608A  
76-03604A  
76-03609A  
76-03610A  
76-03611A  
76-08065A  
76-08066A  
76-01082A  
76-04673Z  
76-01073A  
76-03612C  
76-05801P  
76-01129P  
76-01130P  
76-01131P  
76-05802P  
76-03614P  
76-05803P  
76-05800P  
COMPOSITIONS FOR REDUCING WEAR ON CERAMIC SURFACES  
CYTODILAND PROSTHESES  
DIAMOND ADD FOR DEPOSITING DIAMOND USING A HIGH  
CVD PROCESSING CHAMBER  
DIAMOND CRYSTAL AND METHOD FOR FORMING THE SAME  
DIGITAL ETCHING OF GaAs: THE MECHANISM AND THE  
DISK SUBSTRATE FOR MAGNETIC MEMORY DEVICES  
DRAIN CHANNEL WITH A COMB OF A FIBRE-REINFORCED  
DUAL BLOCK CERAMIC RESONATOR FILTER HAVING COMMON  
EFFECT OF HYDROGEN ON THE MOLECULAR BEAM EPITAXY  
EFFECT OF THE NITRIDATION OF THE SAPPHIRE(0001)  
ELECTRIC MELTING DEVICE  
ELECTRONIC PACKAGE WITH IMPROVED ELECTRICAL  
ELECTROPHOTOGRAPHIC METHOD USING AMORPHOUS SILICON  
ELEMENTS FACED WITH SUPERHARD MATERIALS  
FACILITY FOR GRINDING SILICON NITRIDE CERAMIC  
FLAME CEMENT WITH A FIBRE-REINFORCED FIBRE  
FINISH METER FOR DETECTING AND MEASURING A METAL OXIDE  
FLAME SPRAYED CERAMIC END CAPS  
FLAT PANEL DISPLAY BASED ON DIAMOND THIN FILMS  
FORMING MAGNETIC HEAD HAVING A MAGNETIC HEAD CORE  
FORCED CONVECTION HEATING APPARATUS AND PROCESS FOR  
GLASS FEEDER HEAD BAFFLE  
GLASS FIBRE-REINFORCED CEMENT LINERS FOR PIPELINES AND  
GLASS SHEET FORMING SYSTEM  
GLASS SUBSTRATE FOR A MAGNETIC DISK WITH ROUGHENED  
GRASS-MELTING TREATMENT METHOD  
GRIND-MACHINING METHOD OF CERAMIC MATERIALS  
HEAT CONDUCTOR SUPPORT DISK  
HETEROEPIITAXIAL LAYER OVERGROWTH OF GaP ON STRUCTURED  
HY JOINT PROSTHESES AND METHODS FOR MANUFACTURING THE  
HYBRID FLEXIBLE AND RIGID CERAMIC INCLINED JUNCTION  
HYBRID SOLIDS AS INTERMEDIATES TO INORGANIC-ORGANIC  
IMAGE WRITING ON CERAMICS  
IN SITU CONTROL OF GAN GROWTH BY MOLECULAR BEAM  
INFLUENCE OF SURFACE DEFECTS ON THE CHARACTERISTICS OF  
INTERCAL CERAMIC FILM WITH TRANSMISSION ZERO  
ION BEAM ANALYSIS OF FLOAT GLASS SURFACE COMPOSITION  
ITO SPUTTERING TARGET  
JOINTS IN BONDING OF ELECTRICAL WIRES  
JOSEPHSON JUNCTION DEVICE FORMED OF OXIDE  
JOSEPHSON JUNCTION DEVICE WITH TRANSDUCER AND LIGHT-EMITTING GALLIUM NITRIDE-BASED COMPOUND  
LOW FRICTION FLUTE TUNGSTEN CARBON MICRODRILL  
LOW TEMPERATURE, LOW PRESSURE, DUCTILE, BONDED CERMET  
LUBRICANTS FOR CERAMICS AT ELEVATED TEMPERATURES  
MACROCOMPOSITE BODY  
MAGNETIC STIRRER WITH A SEALED GLASS HOUSING  
MAGNETIC TAPE HEAD WITH A HIGH SATURATION FLUX DENSITY  
MANUFACTURE OF A MULTILAYER INTERCONNECT STRUCTURE  
MEASURING INSTRUMENT WITH DIAMOND COATED CONTACTS  
METHOD FOR CHINA PAINTS FOR PORCELAIN, CERAMIC, AND  
METHOD AND APPARATUS FOR FABRICATING FERROELECTRIC  
METHOD AND APPARATUS FOR FORMING AN OXIDE PASSIVATION  
METHOD AND SILICATE COMPOSITION FOR CONDITIONING  
METHOD FOR BONDING OF A CERAMIC BODY AND A METALLIC  
METHOD FOR FORMATION OF INVISIBLE MARKING AND METHOD  
METHOD FOR FORMING FIELD OXIDE FILM IN SEMICONDUCTOR  
METHOD FOR FORMING FIELD OXIDE HAVING UNIFORM  
METHOD FOR MAKING GLASS ARTICLES HAVING A PERMANENT  
METHOD FOR MAKING LOW DENSITY CERAMIC COMPOSITES  
METHOD FOR MAKING SURFACE RELIEF PROFILERS  
METHOD FOR MANUFACTURING CERAMIC SINTERED BOBIES  
METHOD FOR MANUFACTURING A SEMICONDUCTOR INTEGRATED  
METHOD FOR MANUFACTURING SUPERCONDUCTING CERAMICS IN  
METHOD FOR MANUFACTURING SUPERCONDUCTING DEVICE HAVING  
METHOD FOR POLING A CERAMIC PIEZOELECTRIC PLATE  
METHOD FOR PRODUCING HIGH QUALITY CERAMIC ELECTROSTATIC  
METHOD OF AND APPARATUS FOR BENDING GLASS SHEETS  
METHOD OF FABRICATING CERAMIC GREEN SHEETS WITH  
METHOD OF FORMING A HIGH-Tc MICROBRIDGE SUPERCONDUCTOR  
METHOD OF MACHINING SILICON NITRIDE CERAMICS AND  
METHOD OF MAKING ALUMINA ABRASIVE GRAIN HAVING A METAL  
METHOD OF MAKING ARTIFICIAL TONGUE VENEER  
METHOD OF MAKING A CERAMIC DIE  
METHOD OF MAKING METAL OXIDE SEMICONDUCTOR TRANSISTOR  
METHOD OF MAKING A PLANAR MULTILAYER CAPACITOR  
METHOD OF MAKING SYNTHETIC DIAMOND FILM WITH REDUCED  
METHOD OF MAKING A WIRE COMPONENT BY PLASMA-JET CVD  
METHOD OF MANUFACTURING CERAMICS USING A POROUS MOLD  
METHOD OF MANUFACTURING A COMPOSITE CERAMIC SINTERED  
METHOD OF MANUFACTURING MULTILAYER CERAMIC ELECTRONIC  
METHOD OF MANUFACTURING A SEMICONDUCTOR DEVICE THAT  
METHOD OF MANUFACTURING CERAMIC SUPERCONDUCTIVE MATERIAL  
METHOD OF OBTAINING HIGH-QUALITY SILICON DIOXIDE  
METHOD OF POLARIZING PIEZOELECTRIC CERAMIC SUBSTRATE  
METHOD OF PRODUCING CERAMIC DIAPHRAGM STRUCTURE HAVING  
METHOD OF PRODUCING CERAMIC PIEZOELECTRIC ELECTROSTATIC  
METHOD OF TREATING A CERAMIC BODY TO FORM A WETTABLE  
METHODS OF MASS PRODUCTION OF SEMICONDUCTOR DEVICES  
METHODS OF PREPARING CEMENTED METAL CARBIDE SUBSTRATE  
MODIFIED SUBSTRATE SURFACE AND METHOD  
MULTI-RESISTANT CERAMIC COATING BY A BURNER  
MONOLITHIC PRESTRESSED CERAMIC DEVICES AND METHOD FOR  
NEUTRON MOSFET WITH DIFFERENT INTERPOLYSILOXANE OXIDE  
NITROGEN TREATMENT FOR METAL-SILICIDE CONTACT  
OHMIC CONTACTS TO n- AND p-GaN  
OPTIMIZATION OF GROWTH CONDITIONS FOR MBE GROWTH OF GaN  
ON THE EPITAXY OF METAL FILMS ON GaN  
OPTICAL SIGNATURE OF THE GaN (10 MINUS 1) 0 SURFACE  
ORTHOPEDIC PROSTHETIC IMPLANTS WITH PYROLYTIC CARBON  
OXIDATION PROTECTION FOR CARBON/CARBON COMPOSITES  
PATELLA PROSTHESES  
POLYCRYSTALLINE MODIFIED DIAMOND SURFACES, AND METHOD
- 76-02670P  
76-06278P  
76-02007P  
76-08232P  
76-05908P  
76-04525P  
76-03907P  
76-04526P  
76-07054C  
76-01794P  
76-01871P  
76-04529P  
76-02861P  
76-04302A  
76-02862P

- PICKUP APPARATUS FOR PICKING UP A CUT SHEET FROM A  
PIEZOELECTRIC FILTER USING LiTbO<sub>3</sub> SUBSTRATES  
POLYCRYSTALLINE DIAMOND TOOL AND METHOD FOR PRODUCING  
POROUS CERAMIC HONEYCOMB FILTER  
POWER MESFET STRUCTURE AND FABRICATION PROCESS WITH  
PRESENT CERAMIC SUSPENSION  
PREPARATION OF DEHYDROXYLATED SUPPORTS  
PREPARATION OF STABILIZED LUMINA HAVING ENHANCED  
PROBING METHOD AND DEVICE  
PROCESS AND APPARATUS FOR PREPARING YBaCuO  
PROCESS AND DEVICE FOR REHEATING GLASS GEMS  
PROCESS FOR CLEANING A SURFACE OF THIN FILM OF OXIDE  
PROCESS FOR CONTROLLING INSECT INFESTATIONS IN A  
PROCESS FOR PRODUCING LAYERED CERAMIC PRODUCT  
PROCESS FOR PRODUCING MIXED-CATION ZEOLITES  
PROCESS FOR A SURFACE TREATMENT OF A GLASS FABRIC  
PROCESS FOR TEXTURING BRITTLE NONMETALLIC SURFACES  
PROCESS FOR TEXTURING BRITTLE NONMETALLIC SURFACES  
PROCESS FOR THE PREPARATION OF CERAMIC MATERIALS FREE  
PROCESS FOR TITANIUM NITRIDE DEPOSITION USING FIVE-  
PRODUCTION AND PROPERTIES OF MULTILAYER Si-TiO<sub>2</sub>-Si<sub>3</sub>N<sub>4</sub>  
PRODUCTS HAVING MULTIPLE-SUBSTITUTED POLYSILOXANE  
PROPERTIES OF THE SURFACE OF A TITANIUM ALLOY ENGINE  
RADIATION HARDENING OF PURE SILICA CORE OPTICAL FIBRES  
RELAXATIONS AT GaN(10 MINUS 1 0) AND (110) SURFACES  
RESIDUAL DAMAGE EFFECTS ON GATE CONTACTS FORMED ON SiC  
RESIST/ETCHBACK PLANARIZING TECHNIQUES FOR FABRICATING  
SCANNER MOTOR WITH CERAMIC JET BEARING  
SEGMENTED CERAMIC INLAY PISTON RING  
SELF-CENTERING POLYCRYSTALLINE DIAMOND CUTTING ROCK  
SEMICONDUCTOR CERAMIC PACKAGE WITH TERMINAL VIAS  
SEMICONDUCTOR CHARACTERISATION BY A NEW CONTACTLESS  
SEMICONDUCTOR DEVICE EQUIPPED WITH ANTIFUSE ELEMENTS  
SHAPED GLASS SHEET AND A PROCESS FOR THE PREPARATION  
SHEET OF GLASS WITH GROOVE PATTERN TO PROVIDE  
SILICON INTEGRATED CIRCUIT WITH PASSIVE DEVICES OVER  
SILICON NITRIDE HAVING A HIGH TENSILE STRENGTH  
SLIDE MEMBER AND METHOD FOR FABRICATING THE SAME  
SLIDING MEMBER WITH HARD TERNARY FILM  
SOLID OXIDE FUEL CELL STACK  
STABILITY OF HYDROXYL AND METHOXY SURFACE GROUPS ON  
STM OBSERVATION OF NITRIDED-GA ON Si  
STRONG HIGH-TEMPERATURE SUPERCONDUCTOR TRAPPED FIELD  
STRUCTURAL SUPPORT FRAME FOR CERAMIC TILE CORNER SEATS  
STUDY OF THE SURFACE MORPHOLOGICAL FEATURES OF THE  
SUPERCONDUCTING THIN FILM SYSTEM USING A GARNET  
SUPERPOLISHING AGENT, PROCESS FOR POLISHING HARD  
SURFACE COATING FOR PROSTHESIS SYSTEM CONTAINING  
SURFACE ELECTRON PROPERTIES OF 9H AND 15H  
SURFACE RECONSTRUCTIONS AND II-V STOICHIOMETRY: THE  
SURFACE REFLECTING MIRROR HAVING A SURFACE REFLECTING  
SURFACE TREATMENT METHOD FOR QUARTZ MATERIAL  
SURFACE-COATED CUTTING TOOL  
SYNTHETIC DIAMOND WEAR COMPONENT AND METHOD  
SYNTHETIC SINGLE-CRYSTAL DIAMOND FOR WIRE DRAWING DIES  
TAILORING OF THERMOMECHANICAL PROPERTIES OF  
TEMPERATURE-COMPENSATED SILICON CARBIDE PRESSURE  
THERMAL DESORPTION BEHAVIOUR OF GaAs SURFACE OXIDES:  
TUNGSTEN CARBIDE INSERT FOR A CUTTING TOOL  
ULTRA-SMOOTH CERAMIC SUBSTRATES AND MAGNETIC DATA  
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- 76-03818P  
76-05713P  
76-02398P  
76-01709P  
76-03340P  
76-09088P  
76-04638P  
76-04840P  
76-01808P  
76-05794P  
76-08337P  
76-05789P  
76-01711P  
76-04653P  
76-06740P  
76-02891P  
76-03826P  
76-01346P  
76-06747P  
76-06752P  
76-01884C  
76-06769P  
76-00181P  
76-04660P  
76-07684C  
76-03276P  
76-05806P  
76-01714P  
76-00182P  
76-09839P  
76-00829P  
76-03278A  
76-03865P  
76-03821P  
76-03822P  
76-00793P  
76-04848P  
76-03865P  
76-05776P  
76-00794P  
76-08955A  
76-07695C  
76-01019P  
76-00375P  
76-07708C  
76-05807P  
76-04676P  
76-01719P  
76-03288A  
76-07712C  
76-02694P  
76-02181P  
76-01811P  
76-09135P  
76-02184P  
76-06342C  
76-00873P  
76-03291C  
76-01812P  
76-05750P  
76-07530P  
76-00797P  
76-02030A  
76-03291C  
76-01721P  
76-09143P  
76-01723P
- 76-02408A  
76-05984A  
76-04364A  
76-08276C  
76-06231A  
76-08184C  
76-08296A  
76-00956A  
76-05938A  
76-08720C  
76-06338A  
76-03349P  
76-01785A  
76-03870A
- 76-02041P  
76-08863P  
76-08798P  
76-04972A  
76-06352P  
76-08812A  
76-08359A  
76-06406A  
76-08952A  
76-09008P  
76-01945A  
76-05930A  
76-08523A  
76-08866P  
76-01522A  
76-06719P  
76-04650P  
76-05743P  
76-03349P  
76-08410A  
76-06964A  
76-09124P  
76-01852A  
76-05748P  
76-06385P  
76-06766P  
76-06366P  
76-09130P  
76-03462P  
76-06368P  
76-00267A  
76-06531C  
76-02182P  
76-09133P  
76-04681P
- 76-04867A  
76-05174A  
76-02991C  
76-06238A  
76-01015P  
76-08296A
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SOI SUBSTRATE FABRICATION  
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EFFECT OF ZWITTERIONIC SURFACTANTS ON INTERPARTICLE
- 76-03105C  
76-04296A  
76-04175C  
76-04933A  
76-01728A  
76-08276C  
76-08301A  
76-00877A  
76-01446C  
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76-04235A  
76-03931C  
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76-04763A  
76-04429A  
76-05173A  
76-01828A  
76-05174A  
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76-08337P  
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76-03733A  
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76-08405P  
76-07026A  
76-08575A  
76-02662C  
76-08216A  
76-03782A  
76-03786A  
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76-07980A  
76-04124C  
76-03733A  
76-04519C  
76-03794C  
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76-04956P  
76-08974P  
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76-00152P  
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76-02686P  
76-07822P  
76-03461P  
76-07219C  
76-01809P  
76-07265P  
76-07266P  
76-08367A

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- CRYSTAL STRUCTURE AND CHARACTERISATION OF CRYSTALLISATION OF Zr HYDROXIDE TO ZrO<sub>2</sub> AT OR BELOW DIAMOND SYNTHESIS FROM GRAPHITE IN THE PRESENCE OF DIELECTRIC CERAMIC COMPOSITION FOR HIGH FREQUENCIES DISK SUBSTRATE FOR MAGNETIC MEMORY DEVICES DISPERSION EFFICIENCY OF POWDERS OF THE Al<sub>2</sub>O<sub>3</sub>-(ZrO<sub>2</sub> + EELS AND PHOTOEMISSION STUDY OF ANTIMONY-DOPED Cd<sub>2</sub>SnO<sub>4</sub> EFFECT OF ADDITIVE OXIDES ON ULTRAFINE C<sub>60</sub> PARTICLES EFFECT OF pH ON THE PREPARATION OF MANGANESE DIOXIDE EFFECT OF POTASSIUM ON THE FORMATION OF ZEOLITE A FROM EFFECT OF SOLVENT ON TITANIA PARTICLE FORMATION AND EFFECTS OF ACIDITY ON THE HYDROTHERMAL SYNTHESIS OF EFFECTS OF ADDITIVES ON THE SYNTHESIS OF TITANIUM EFFECTS OF YTTRIUM AND MANGANESE ON THE PTCR BARIUM ELECTRICAL PROPERTIES OF TERNARY Si-C-N CERAMICS ELECTROCHEMICAL SYNTHESIS AND THERMAL DECOMPOSITION OF ELECTROCHEMICAL SYNTHESIS OF HIGH TEMPERATURE EVIDENCE OF NEW LAYERED CUPRATES IN THE Hg<sub>1-x</sub>Gd<sub>x</sub>Cu-O FABRICATION METHOD OF SEMICONDUCTOR INTEGRATED CIRCUIT FAST CONVENIENT METHOD TO PREPARE HYBRID SOL-GEL FAST PHOTOMETRIC DETERMINATION OF IRON IMPURITY IN RED FERROELECTRIC BASED CAPACITOR FOR USE IN MEMORY FIBROUS ZEOLITE AND PREPARATION METHOD THEREOF FIREPROOFING GLASSES CONTAINING SPECIAL GELS AND THE FLUIDISED BED REACTOR FOR PREPARING METAL NITRIDE FORMATION AND DIELECTRIC PROPERTIES OF FORMATION OF LEAD MAGNESIUM NIOBATE PEROVSKITE FROM FORMATION OF NANODISPERSE Si-C-N-COMPOSITE POWDERS FTIR ANALYSIS OF THE SURFACE OF NANOSTRUCTURED FUTURE TECHNOLOGICAL OPTIONS, Pt<sub>2</sub>
- GAS PHASE SYNTHESIS OF FINE SILICA PARTICLES IN A TUBE GLASS FIBER BINDING COMPOSITIONS, PROCESS OF MAKING GLASSES FOR LASER PROTECTION
- HEAT-RESISTANT AND HIGH-STRENGTH CERAMICS BASED ON THE (H<sub>2</sub>CuBz<sub>2</sub>Cu<sub>2</sub>O)<sub>2</sub> OXIDE SUPERCONDUCTOR AND METHOD OF HIGH BELITE CEMENTS - PRESENT STATUS AND FUTURE HIGH MICROPORE VOLUME LOW SILICA EMT-CONTAINING HIGH MICROPORE VOLUME LOW-SILICA EMT-CONTAINING HIGH-TEMPERATURE HYDROLYSIS OF ALKOXIDES TO HOLLOW BOROSILICATE MICROSPHERES AND METHOD OF MAKING HYBRID ORGANIC-INORGANIC SYSTEMS DERIVED FROM HYBRID SOLS AS INTERMEDIATES TO INORGANIC-ORGANIC HYBRID STYRYL-BASED POLYHEDRAL OLIGOMERIC HYDROTHERMAL SYNTHESIS OF ZEOLITES FROM PUMICE IN IN SITU GENERATION OF SILICA REINFORCEMENT IN MODIFIED INJECTION MOLDABLE CERAMIC AND METALLIC COMPOSITIONS INORGANIC ALUMINIUM PRECURSORS IN THE SYNTHESIS OF INVESTIGATIONS ON HIGH SO<sub>3</sub> PORTLAND CLINKERS AND
- 76-06531C
- 76-01814C
- 76-04359C
- 76-08760A
- 76-08761A
- 76-08931C
- 76-08145A
- 76-04367A
- 76-01871C
- 76-06299A
- 76-04370C
- 76-01836C
- 76-04327A
- 76-04329A
- 76-08515A
- 76-03717A
- 76-03971A
- 76-04373C
- 76-01837C
- 76-01957C
- 76-08776A
- 76-05871C
- 76-04377A
- 76-09052P
- 76-06656P
- 76-04267A
- 76-01880A
- 76-01973A
- 76-01881C
- 76-04334A
- 76-03989P
- 76-06156A
- 76-03887C
- 76-03427A
- 76-03764C
- 76-07392A
- 76-04394A
- 76-08845P
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- 76-04396A
- 76-06312A
- 76-08214A
- 76-01858C
- 76-04658P
- 76-04355A
- 76-01923A
- 76-05435A
- 76-09039A
- 76-01358A
- 76-01540A
- 76-03254C
- 76-08114A
- 76-08611A
- 76-04406A
- 76-02396P
- 76-08446A
- 76-06375A
- 76-08873A
- 76-02045P
- 76-01419P
- 76-06945A
- 76-02051P
- 76-02152P
- 76-01173C
- 76-01795P
- 76-02062P
- 76-08461A
- 76-04549P
- 76-02023P
- 76-04550P
- 76-07886C
- 76-01182C
- 76-08143A
- 76-00783P
- 76-00271P
- 76-05996A
- 76-06321A
- 76-03941A
- 76-03942A
- 76-03945
- 76-08150A
- 76-03947A
- 76-03948A
- 76-01101P
- 76-06324C
- 76-08368A
- 76-03530A
- 76-05525A
- 76-00288P
- 76-08899A
- 76-00594A
- 76-01000P
- 76-04564P
- 76-02674P
- 76-03807P
- 76-07913C
- 76-07914A
- 76-08372A
- 76-06231A
- 76-02429A
- 76-08374A
- 76-03005P
- 76-00275P
- 76-08502A
- 76-01101P
- 76-02430A
- 76-04570P
- 76-04571P
- 76-01477A
- 76-02080P
- 76-06437C
- 76-06438C
- 76-06439C
- 76-01481A
- 76-06440C
- 76-02086P
- 76-03972A
- 76-05002A
- INVESTIGATIONS ON THE SYNTHESIS AND STRUCTURAL KINETICS OF SILICON MONOXIDE AMMONOLYSIS FOR NANOPHASE LARGE CERAMIC ARTICLE AND METHOD OF MANUFACTURING LASER SYNTHESIS OF CERAMIC NANOCOMPOSITE POWDERS LI-ION BATTERY: Li<sub>2</sub>Ti<sub>2</sub>Si<sub>2</sub>O<sub>4</sub> / LiClO<sub>4</sub>(PC) / LiMn<sub>2</sub>O<sub>4</sub>: LITHIUM MANGANESE OXIDE INSERTION COMPOUNDS AND THEIR LOW TEMPERATURE SYNTHESIS OF A SELF-ASSEMBLING LOW-TEMPERATURE SYNTHESIS AND ELECTROCHEMICAL LITHIUM LOW-TEMPERATURE-COPIRED-CERAMIC (LTCC) TAPE STRUCTURES LUSTER PIGMENTS WITH NITROGEN-CONTAINING METAL LAYERS MAS-NMR INVESTIGATION OF SILICON OXOCARBIDE MECHANICAL PROPERTIES OF ORMOSILS NANOCHEMICAL SYNTHESIS OF DISPERSED COMPOSITES WITH METAL OXIDE 247 SUPERCONDUCTING MATERIALS METAL-HALIDE DISCHARGE LAMP WITH CERAMIC DISCHARGE METHOD FOR FORMING A SINGLE CRYSTAL FILM ON PLATINUM METHOD FOR MAKING GLASS ARTICLES NANOMETRIC Si-BASED OXIDE POWDERS: SYNTHESIS BY LASER METHOD FOR PRODUCING SYNTHETIC DIAMOND THIN FILM, THE METHOD OF MANUFACTURING CERAMICS USING A POROUS MOLD METHOD OF MANUFACTURING HIGH-PERFORMANCE BIPOLAR METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE ISOLATION METHOD OF PRODUCING A COATED GLASS SUBSTRATE MICROSTRUCTURAL EVOLUTION OF POTASSIUM TITANATE MODIFIED Y-ZEOLITE, PROCESS FOR THE PREPARATION MOLYBDENUM SILICIDES COEXISTENCE CONDITIONS MORPHOLOGICAL CONTROL OF ALPHA-AL<sub>2</sub>O<sub>3</sub> PARTICLES METROCHEMICAL SYNTHESIS OF POLYMER-BLENDED LASER NEARLY MONODISPERSED SINGLE CRYSTAL PARTICLES OF NEW GALLIUM-SUBSTITUTED HYDROTALCITES: (Mg<sub>1-x</sub>)-NEW SILICOTHERMAL ROUTE TO THE FORMATION OF X-PHASE NUCLEATION AND CRYSTAL GROWTH OF ANALCIME FROM CLEAR GLASS GLASS WITH REEF OF 1.75 AND HIGH PARTICLE-PRECIPITATION-AIDED CHEMICAL VAPOUR PECULIARITIES OF RECRYSTALLISATION PRESSING METHOD AT PHASE COMPOSITION AND DISTRIBUTION OF METAL-CATALYST PHASE COMPOSITION AND MAGNETIC PROPERTIES OF PHOSPHOR DOPED BATIO<sub>3</sub> MICROSTRUCTURE DEVELOPMENT AND PLUNGER ASSEMBLY ADAPTER POLY(METHYL METHACRYLATE)-TITANIA HYBRID MATERIALS BY POLYMER-SILICA HYBRID MATERIALS PREPARED FROM SOME PRECERAMIC POLYMER APPLICATIONS-PROCESSING AND PREPARATION AND CHARACTERISATION OF PEROXIDE TYPE PREPARATION AND CHARACTERISATION OF YTTRIA-STABILISED PREPARATION AND THERMAL SHOCK RESISTANCE MECHANISMS OF PREPARATION OF MAGNESIUM TITANATE, MgTiO<sub>3</sub>, FROM METAL PREPARATION OF A PIGMENT IN THE Cr(III)-Co(III)-NO<sub>3</sub>-H<sub>2</sub>O PREPARATION OF A YB<sub>2</sub>CO<sub>4</sub> HIGH TEMPERATURE PREPARATION OF ZEOLITE Y-VEGETAL FIBRE COMPOSITE PREPARING PIGMENTS BY PRECIPITATION PROCESS FOR MANUFACTURING NATURAL STONE-TYPE PROCESS FOR PREPARING A LAYERED STRUCTURE CONTAINING PROCESS FOR PRODUCING ALPHA-ALUMINA POWDER PROCESS FOR PRODUCING POWDERS OF TRANSITION METAL PROCESS FOR PRODUCING SINGLE CRYSTAL DIAMOND FILM ON PROCESS FOR PRODUCTION OF ALUMINA/ZIRCONIA MATERIALS PROCESS FOR THE PRODUCTION OF DIELECTRIC THIN FILMS PROCESSABLE ALUMINOSILICATE ALKALOXIDE PRECURSORS FROM PROCESSING OF FINE HYDROXYAPATITE POWDERS VIA AN PRODUCTION OF COMPOSITE CERAMICS BASED ON ZIRCONIA RAW MATERIALS INFLUENCE THE ALPHA-PARTICLE EMISSION R-Ti-Si-Ca-Cu-O SUPERCONDUCTORS AND PROCESSES FOR SILICON CARBIDE POWDER SYNTHESIS FROM SILICON MONOXIDE SILICON NITRIDE POWDER AND ITS MANUFACTURING SIMPLE ROUTE FOR SYNTHESIS OF A BI-EPITAXIAL JUNCTION SINTERING OF NANOSIZED Mn<sub>2</sub>N FERRITE POWDERS SITAL CERAMICS AND THEIR PROPERTIES SOL-GEL ALUMINA ABRASIVES SOL-GEL SYNTHESIS AND SINTERING OF PZT BASED POWDERS SOL-GEL SYNTHESIS OF MICROCRYSTALLINE RARE EARTH SOL-GEL SYNTHESIS OF A MIXTURE FOR PREPARING SOLID-STATE SYNTHESIS OF STRONTIUM TITANATE NIOBATES STRUCTURAL CHEMICAL PROCESSES AT THE SYNTHESIS OF STRUCTURAL CLASSIFICATION OF SUPERCONDUCTING CUPRATES STRUCTURE/PROPERTY BEHAVIOUR OF ORGANIC-INORGANIC STUDIES ON THE STRUCTURE AND PROPERTIES OF STUDY OF "YBCO-CERAMIC METAL" COMPOSITE SYNTHESIS ON THE SYNTHESIS OF ORGANOPHILIC MONTMORILLONITE SYNTHESIS AND CHARACTERISATION OF INORGANIC GELS IN A SYNTHESIS AND CHARACTERISATION OF A SHOCK-SYNTHESISED SYNTHESIS AND CHARACTERISATION OF TITANIUM OXO-SYNTHESIS AND DILATOMETRIC INVESTIGATION OF SYNTHESIS AND PHASE TRANSITION OF FERROELECTRIC SYNTHESIS AND PROPERTIES OF Al<sub>2</sub>O<sub>3</sub>-SiC COMPOSITES FROM SYNTHESIS AND PYROLYSIS OF POLYBOROSILAZANE WITH LOW SYNTHESIS AND SOME ADSORPTION CHARACTERISTICS OF SYNTHESIS AND STRUCTURAL EVOLUTION OF TUNGSTEN CARBIDE SYNTHESIS AND STRUCTURE DETERMINATION OF NEW LAYERED SYNTHESIS AND THERMAL PROPERTIES OF ZIRCONIUM ORTHO-SYNTHESIS IN SITU OF 2,2'-DIPYRIDYL-Ti(IV) COMPLEXES SYNTHESIS OF ALPHA-Al<sub>2</sub>O<sub>3</sub>/SiO<sub>2</sub> COMPOSITE POWDERS FOR SYNTHESIS OF BETA-SiC WHISKERS BY SYNTHESIS OF Pb<sub>1-x</sub>Pb<sub>0.4</sub>Si<sub>2</sub>Cu<sub>2</sub>Ox OXIDE MANGANESE OXIDE SYNTHESIS OF DI-OCTAHEDRAL FLUORINE MICA CERAMICS BY SYNTHESIS OF DISC-LIKE CALCIUM CARBONATE. PT.1 SYNTHESIS OF FLUORINE MOSCOVITE BY SOLID STATE SYNTHESIS OF INORGANIC-ORGANIC HYBRIDS FROM METAL SYNTHESIS OF LEAD TITANATE: THERMODYNAMIC MODELLING SYNTHESIS OF MESOPOROUS ZIRCONIA USING AN AMPHOTERIC SYNTHESIS OF Mn-Zn FERRITE BY ALCOHOLIC DEHYDRATION SYNTHESIS OF NANOSIZED PEROVSKITE-TYPE OXIDE POWDERS SYNTHESIS OF NANOSTRUCTURED MATERIALS BY MECHANICAL SYNTHESIS OF NONOXIDE CERAMICS FROM ORGANOSILICON SYNTHESIS OF ORDERED SILICATES BY THE USE OF ORGANIC SYNTHESIS OF PEROXO-MODIFIED ANATASE SOL FROM PEROXO SYNTHESIS OF POROUS BARIUM TITANATE USING SYNTHESIS OF POROUS MATERIALS UTILISING PHASE SYNTHESIS OF PYROCHLORE-FREE 0.9 Pb(Mg<sub>1/2</sub>Sn<sub>1/2</sub>)<sub>2</sub>O<sub>3</sub>-0.1 SYNTHESIS OF SiC-AIN CERAMIC ALLOYS FROM Si, C AND AIN SYNTHESIS OF A SPINEL TYPE FERROMAGNETIC SYNTHESIS OF TETRAMETHYLAMMONIUM ALUMINOSILICATE AND SYNTHESIS OF THE U PHASE SYNTHESIS OF TITANIUM NITRIDE WHISKERS FROM SYNTHESIS OF ULTRAFINE PARTICLES OF BARIUM FERRITE BY SYNTHESIS OF VATERITE BY CARBONATION PROCESS IN SYNTHESIS OF ZEOLITE RHO: AGEING TEMPERATURE EFFECT SYNTHESIS OF ZEOLITES SYNTHESIS OF ZrO<sub>2</sub>-AL<sub>2</sub>O<sub>3</sub> ULTRAFINE COMPOSITES AND SYNTHESIS PROCESS FOR FAJASITE FAMILY ZEOLITES USING SYNTHESIS, STRUCTURAL CHARACTERISATION AND SYNTHESIS, STRUCTURE AND LUMINESCENCE OF NEW SYNTHETIC CONDITIONS OF SINGLE 110 K PHASE OF SYNTHETIC SINGLE-CRYSTAL DIAMOND FOR WIRE DRAWING DIES TEXTILE SILICA SLIVER, ITS MANUFACTURE, AND USE THERMOCHEMISTRY OF NEW, TECHNOLOGICALLY IMPORTANT
- 76-05218A
- 76-03978A
- 76-02912P
- 76-06380A
- 76-00708A
- 76-00779P
- 76-04465A
- 76-06794A
- 76-01037P
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- 76-01700P
- 76-05094P
- 76-01425P
- 76-06864P
- 76-02109P
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- 76-00854P
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- 76-08566A
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- 76-01064A
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- 76-01082A
- 76-08494A
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- 76-08735A
- 76-06524C
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- 76-01552A
- 76-01654A
- 76-08737A
- 76-08155A
- 76-01655A
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- 76-01139P
- 76-04039A
- 76-04040A
- 76-04041A
- 76-01554A
- 76-06528C
- 76-08529C
- 76-02022C
- 76-06531C
- 76-01030A
- 76-07465C
- 76-01031A
- 76-01030A
- 76-06532C
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- 76-03444A
- 76-06973A
- 76-07982A
- 76-02023A
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- 76-08425A
- 76-08012A
- 76-06087A
- 76-08599A
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- 76-08590A
- 76-06781P
- 76-00993A
- 76-04514A
- 76-01089A
- 76-02184P
- 76-02186P
- 76-08856A



- THERMOCHROMATIC STUDY OF MANGANESE DOUBLE OXIDES**  
**TRANSPARENT GLASS-CERAMICS**  
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 WET CHEMICAL SYNTHESIS OF ZrO<sub>2</sub>-SiO<sub>2</sub> COMPOSITE POWDERS  
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 ZEOLITE SSZ-41  
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 CAD AT CHURCHILL TABLEWARE  
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- DECORATIVE COATINGS FOR UTENSILS**  
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 FAR EAST DEMAND FOR TABLEWARE EXPANDS  
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 US MARKET FOR TABLEWARE IS DUE TO RISE ONCE MORE  
 UV CURABLE MOLDERS FOR SILK SCREEN TABLEWARE  
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- TAIWAN**  
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- TALC**  
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- TANTALATES**  
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 CRYSTAL STRUCTURE AND CHARACTERISATION OF  
 IONIC CONDUCTIVITY OF SrO-Ta<sub>2</sub>O<sub>5</sub> AND SrO-La<sub>2</sub>O<sub>3</sub>-Ta<sub>2</sub>O<sub>5</sub>  
 POTASSIUM LITHIUM TANTALATE NIOBATE PHOTOREFRACTIVE
- TANTALUM**  
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 Ta<sub>2</sub>NiF<sub>6</sub>/Ta<sub>2</sub>N ANISOTROPIC MAGNETIC SENSOR ELEMENT
- TANTALUM CARBIDE**  
 ELABORATION, MICROSTRUCTURE AND PROPERTIES OF TANTALUM  
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 IMPROVEMENT OF DIAMOND ADHESION TO TaN<sub>2</sub>  
 MESOSCOPIC CHARACTERISATION OF THE MICROHARDNESS OF  
 TANTALUM OXIDE  
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- TANTALUM PENTOXIDE**  
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- GLASS SUBSTRATE COATED WITH THIN MULTIFILMS FOR  
 MAGNETO-OPTICAL RECORDING MEDIUM**  
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 METHOD FOR THE DISSOLUTION AND PURIFICATION OF  
 METHOD OF FORMING A Ta<sub>2</sub>O<sub>5</sub> DIELECTRIC LAYER WITH A  
 PROCESS FOR OBTAINING A CERAMIC GLOW PLUG PORTION WITH A  
 STUDY OF AMORPHOUS Ta<sub>2</sub>O<sub>5</sub> THIN FILMS BY DC MAGNETRON  
 TANTALA-SILICA INTERFERENCE FILTERS AND LAMPS USING  
 THICK-FILM RESISTOR COMPOSITION  
 USE OF TANTALUM OXIDE CAPACITOR ON CERAMIC CO-FIRED  
 TAPE CASTING  
 AQUEOUS TAPE CASTING OF ALUMINUM NITRIDE CERAMICS  
 CHARACTERISATION OF WATER BASED TAPE CASTING SLURRIES  
 EFFECT OF ALIGNMENT OF LARGE GRAINS ON THE THERMAL  
 EFFECT OF BaTiO<sub>3</sub> DISPERSION ON THE PROPERTIES OF CAST  
 FABRICATION AND SINTERING OF FINE YTRIA-DOPED CERIA  
 FABRICATION OF Ni-MO COMPOSITES BY TAPE CASTING  
 FRACTURE BEHAVIOUR OF MULTILAYER SILICON NITRIDE/BORON  
 HIGH POWER CAPACITOR  
 HIGH THERMAL CONDUCTIVITY ALUMINUM NITRIDE SUBSTRATES  
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- MICROSTRUCTURAL DESIGN OF SILICON NITRIDE BY SEEDING  
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 OIL-RELATED DEFLOCCULANTS FOR TAPE CASTING SLIPS  
 PREPARATION AND CHARACTERISATION OF ZrO<sub>2</sub> ELECTROLYTES  
 PREPARATION OF ALUMINA MEMBRANES BY TAPE CASTING AND  
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76-05161P  
76-05627P  
76-02665A  
76-07023P  
76-01655A  
76-02952A  
76-00542A  
76-05691A  
76-07023P  
76-04517A  
76-07031A  
76-08870P  
76-08637P  
76-08797C  
76-04064A  
76-05234A  
76-04853P  
76-01443A  
76-07298P  
76-03843A  
76-02416C  
76-07193B  
76-05133A  
76-02150P  
76-07400P  
76-01475C  
76-01485A  
76-02088P  
76-02824A  
76-07316A  
76-02130P  
76-02910A  
76-08723P  
76-02150P  
76-02158P  
76-05326P  
76-01809P  
76-05227A  
76-02940A  
76-07335A  
76-02015A  
76-01303A  
76-04052A  
76-08683A  
76-03903A  
76-09357  
76-02795A  
76-06371C  
76-05317A  
76-03150A  
76-06812C  
76-02804C  
76-01906C  
76-02809C  
76-04626C  
76-04946P  
76-03657C  
76-02814C  
76-03984C  
76-04360A  
76-01913A  
76-04234C  
76-03835C  
76-00805C  
76-02492A  
76-02594A  
76-06109  
76-04048C  
76-02982C  
76-03842A  
76-08816A  
76-02828C  
76-02416C  
76-06220C  
76-06320A  
76-05370C  
76-08663A  
76-06115C  
76-05132A  
76-06101A  
76-04730C  
76-01601A  
76-01751A  
76-07301A  
76-01363A  
76-00443A  
76-08501A  
76-03061A  
76-05096A  
76-01878A  
76-08085A  
76-04121A  
76-01693P  
76-06016P  
76-06110P  
76-03681C  
76-02198A  
76-05813C  
76-02866C  
76-06203A  
76-07514C
- INVESTIGATION OF SCALE MODELLING OF THE INVESTIGATION OF THE MECHANISM OF UNFIRED QUARTZ INVESTIGATIONS ON THE SYNTHESIS AND STRUCTURAL LIQUID PHASE SINTERED SILICON CARBIDE: PRODUCTION LOCAL THERMAL PROPERTIES IN ALUMINUM NITRIDE: A LOW-TEMPERATURE GLASS PASTE WITH IMPROVED THERMAL MECHANICAL AND FRACTURE PROPERTIES OF NANO-A2O3 MECHANICAL RELIABILITY AND PROPERTIES OF SINTERED METHOD OF MAKING A GLAZING UNIT HAVING THREE OR MORE MICROSTRUCTURAL DEVELOPMENT IN AIR (YF3) CERAMICS MIXED ALKALI EFFECT IN THE SYSTEM R2O-PbO-P2O5 PHASE EQUILIBRIUM OF BINARY SiO<sub>2</sub>-CaO AND CaO-POSPHATE NEW IN SITU MEASURING METHODS FOR THE OPTIMISATION OF NEW WAYS OF IMPROVING THE THERMAL SHOCK BEHAVIOUR OF NON-DESTRUCTIVE CHARACTERISATION OF REFRACTORIES BY NOVEL DIAMOND/CARBON/CARBON COMPOSITES FOR HEAT (NZP), Na<sub>2</sub>ZrP<sub>3</sub>O<sub>15</sub>-TYPE MATERIALS FOR PROTECTION OF ON THE PERFORMANCE OF A Cn COATED SIC WHISKERS OPTICAL FIBRE-DRAWING TEMPERATURE OF FLUOROGALLATE OPTIMISATION OF THE GUARDED HOT BOX AS A METHOD OF OXYGEN-FREE CERAMIC FIBRES FROM ORGANOSILICON PHASE EQUILIBRIUM OF BINARY SiO<sub>2</sub>-CaO AND CaO-POSPHATE PHOTOACOUSTIC EFFECT IN POROUS SILICON: PECULIARITIES PHOTOACOUSTIC THERMAL CHARACTERISATION OF PISTON MATERIALS - AN OVERVIEW POLY(METHYL METHACRYLATE)-TITANIA HYBRID MATERIALS BY POLYMERIZATION OF OXYCARBON GLASSES POWDER PREPARATION AND PROPERTIES OF Nb<sub>2</sub>O<sub>5</sub> AND Ta<sub>2</sub>O<sub>5</sub> POZZOLANIC ACTIVITY OF DIFFERENT MATERIALS, ITS PREPARATION AND PROPERTIES OF BINARY OXIDE BIO-CERAMICS PREPARATION OF POLYIMIDE-SILICA HYBRID MATERIALS BY POLYMERIZATION AND CHLORINE TREATMENT OF ALUMINUM PROCESSING AND CHARACTERISATION OF NANOSCALE LASER PROCESSING AND MICROSTRUCTURE OF CONTINUOUS FIBRE PROCESSING AND PROPERTIES OF AIR MATRIX COMPOSITE PROCESSING AND PROPERTIES OF ALUMINUM NITRIDE PROPAGATION OF SILICON NITRIDE MATERIALS OF HIGH PROPAGATION OF A THERMAL INSTABILITY IN HIGH-Tc PROPERTIES AND STRUCTURE OF FLUOROINDATE GLASSES PROPERTIES OF FUSED ZIRCONIA REFRACTORY MATERIALS RAMAN AND 11B NUCLEAR MAGNETIC RESONANCE SPECTROSCOPY REACTION BONDING OF CERAMIC COATINGS ON METALS REFRACTORY DESIGN (DESIGN WITH AND DESIGN OF RELATION BETWEEN LOCAL STRUCTURE AND FRAGILITY OF LEAD RESEARCH ON FINITE ELEMENT MODEL FOR THE MICROWAVE SELF-SUPPORTING ALUMINUM TITANATE COMPOSITES AND SILICON CARBIDE CERAMIC HEAT EXCHANGER FOR APPLICATION SILICON NITRIDE FIBRE SYNTHESIS FROM POLYCARBOSILANE SIMPLE METHOD FOR THE PREPARATION OF PLASMA-SPRAYABLE SPODUMENE: A SOURCE OF THE VERSATILE ELEMENT LITHIUM STABILISATION OF FLUOROINDATE GLASSES BY MAGNESIUM THERMS ANALYSIS OF SILICA SWIRL CHAMBER DURING THERMAL STUDY ON THE Ge SUBSTITUTED LAS CERAMICS USING METAL SYNTHESIS AND PROPERTIES OF IN SITU Si<sub>3</sub>N<sub>4</sub>-REINFORCED SYNTHESIS AND THERMAL PROPERTIES OF ZIRCONIUM ORTHO-TEMPERATURE DEPENDENCE OF NEW DESIGN CERAMIC-METAL TaO<sub>2</sub>-ZnO-ZrO<sub>2</sub> GLASSES FOR IR TRANSMISSION TEXTILE SILICA SILVER, ITS MANUFACTURE, AND USE THERMAL BEHAVIOUR OF METALLIC ALUMINUM IN A CONTAINER THERMAL CHARACTERISTICS OF CASTABLES FOR TEEMING LADLE THERMAL CHARACTERISTICS OF LAYERED DOUBLE HYDROXIDE THERMAL CONDUCTIVITY OF A PCS-DERIVED SILICON CARBIDE THERMAL CYCLING OF IRON- AND MAGNESIUM-CONTAINING THERMAL DESORPTION BEHAVIOUR OF GaAs SURFACE OXIDES: THERMAL DIFFUSIVITY/CONDUCTIVITY AND SPECIFIC HEAT OF THERMAL EFFICIENCIES OF FLOAT AND CONTAINER FURNACES THERMAL EXPANSION BEHAVIOUR OF BULK Bi-BASED (2223) THERMAL FATIGUE DAMAGE ACCUMULATION IN MoSi<sub>2</sub>- AND THERMAL FATIGUE RESISTANCE OF PROTECTIVE COATINGS FOR THERMAL IMPEDANCE OF RECTANGULAR MICROWAVE OVEN THERMAL INSULATION SYSTEM AND METHOD OF FORMING THERMAL OXIDE ETCH TECHNIQUE THERMAL PROPERTIES AND DETRIFICATION BEHAVIOUR OF THERMAL SHOCK BEHAVIOUR OF Al<sub>2</sub>O<sub>3</sub>-SiC COMPOSITES MADE THERMAL SHOCK BEHAVIOUR OF TWO-DIMENSIONAL WOVEN THERMAL SHOCK OF TRIAXIAL PORCELAINS THERMAL SPALLING WEAR AND MECHANICAL BEHAVIOUR OF THERMAL STABILITY OF A PCS-DERIVED FIBRE WITH A THERMAL STABILITY OF Pt, Pd, AND Ni ON GaN THERMAL STABILITY OF SILICON-BASED HYBRID MATERIALS THERMAL STRESSES IN GLAZED SUBSTRATES THERMAL STUDIES ON DOPED COBALT-ZINC FERRITE THERMODYNAMICS AND STRUCTURAL RELAXATION OF THERMOELECTRIC PROPERTIES OF HOMOLOGOUS COMPOUNDS IN THERMOSTRUCTURAL COMPOSITES AND NUCLEAR FUSION TOTAL AQUEOUS PROCESSING OF CARBOTHERMALLY PRODUCED TRANSLUCENT LOW-THERMAL EXPANSION CERAMICS ULTRASONIC ROLL SEAM WELDING FOR THE PRODUCTION OF USE OF HIGH STRENGTH INSULATION TO IMPROVE LINING VISCOUS FLOW OF ZnF<sub>2</sub>-PbF<sub>2</sub>-SiO<sub>2</sub>-B<sub>2</sub>O<sub>3</sub>-Ga<sub>2</sub>O GLASSES AND ZrO<sub>2</sub>-Co<sub>2</sub>O ALLOYS AS CANDIDATE STRUCTURAL MATERIALS FOR
- 76-02747C  
76-05272C  
76-05218A  
76-06241C  
76-08687C  
76-00231P  
76-04127A  
76-00045C  
76-08675P  
76-08693A  
76-07078A  
76-06670P  
76-05893C  
76-02912C  
76-03856A  
76-03083C  
76-04342A  
76-02509C  
76-02716A  
76-03859C  
76-06043C  
76-02661C  
76-03264A  
76-08553A  
76-00128A  
76-06486C  
76-02661C  
76-06153C  
76-00059A  
76-01639A  
76-06496C  
76-02661C  
76-06258C  
76-06506C  
76-04481A  
76-03755C  
76-04342A  
76-03595A  
76-07155C  
76-02926A  
76-01849A  
76-04281A  
76-02932C  
76-07158A  
76-04491A  
76-09126P  
76-02661C  
76-06073C  
76-06166A  
76-08419A  
76-07096C  
76-02661C  
76-04029A  
76-08596A  
76-01655A  
76-07983C  
76-02661C  
76-02186P  
76-00217A  
76-05295A  
76-06343C  
76-02661C  
76-08000A  
76-03291C  
76-04400A  
76-03902A  
76-02419A  
76-08687A  
76-04480A  
76-05296A  
76-06369P  
76-05782P  
76-02629A  
76-08303A  
76-02306A  
76-03022C  
76-04299A  
76-06590A  
76-07717C  
76-06538C  
76-06045C  
76-04304A  
76-05150A  
76-00818A  
76-03664C  
76-04300A  
76-04191A  
76-03735A  
76-00548C  
76-00748A  
76-08614A
- THERMAL RESISTANCE**  
ADHESIVE BONDING OF CARBON AND CERAMIC MATERIALS AIRCRAFT THERMAL PROTECTION SYSTEM APPLICATION OF CERAMICS IN THERMAL PROTECTION SYSTEMS CERAMIC COATING-FORMING AGENT AND PROCESS FOR THE CERAMIC COMPOSITE MATERIAL WITH HIGH HEAT-RESISTANT FIRE PROTECTION DEVICE HAVING A PROTECTIVE OUTER LAYER THERMAL RESISTANT MATERIAL AND CONVEYOR BELT USING SAME PRODUCTION OF CERAMIC COMPOSITES USING LIGHTWEIGHT REFRACTORY SAND COMPOSITION THERMAL STRESS RELAXATION TYPE CERAMIC COATED
- 76-03668C  
76-01665P  
76-04853B  
76-06351P  
76-04535P  
76-00158P  
76-02532P  
76-04485A  
76-02970P  
76-05308P
- THERMAL SHOCK**  
EFFECT OF THERMAL SHOCK AND AUTOCLAVE TREATMENT ON THE ON THE QUANTIFICATION OF QUENCHING TRANSIENT THERMAL R-CURVE EFFECT ON THERMAL SHOCK DAMAGE THERMAL FATIGUE DAMAGE ACCUMULATION IN MoSi<sub>2</sub>- AND THERMAL SHOCK BEHAVIOUR OF A COARSE GRAIN POROUS THERMAL SHOCK BEHAVIOUR OF TWO-DIMENSIONAL WOVEN THERMAL SHOCK BEHAVIOUR OF UNIDIRECTIONAL SILICON THERMAL SHOCK DAMAGE IN A TWO-DIMENSIONAL THERMAL SHOCK RESISTANCE OF 90 TO 100% ALUMINA BRICK THERMAL SHOCK TEST FOR LARGE LADLE SHROUDS THERMAL SHOCK TESTING OF CERAMICS BY INFRARED HEATING
- 76-04437A  
76-08834A  
76-02927A  
76-06867A  
76-01656A  
76-02306A  
76-06868A  
76-04841A  
76-01383C  
76-01384C  
76-03869A
- THERMAL SHOCK RESISTANCE**  
CHROME-FREE REFRACTORY FOR VACUUM DEGAISERS COMPARISON OF CRITICAL DELTA T-VALUES WITH CONTOURED PEN PLATES FOR IMPROVED THERMO-MECHANICAL CORRELATION BETWEEN MECHANICAL AND THERMAL PROPERTIES THERMALLY SINTERED, TABULAR CERAMIC PARTS OF ALUMINUM DETERMINATION OF THERMAL SHOCK RESISTANCE IN CERAMIC DEVELOPMENT OF CHEMICAL FREE HIGH PURITY ZERO-CEMENT EFFECTS OF PITCH ADDITION ON MgO-C BRICKS ELABORATION, MICROSTRUCTURE AND PROPERTIES OF TANTALUM EVALUATION OF THERMAL RESISTANCE OF THERMO-MECHANICAL PROPERTIES OF ALUMINA
- 76-00401C  
76-06826A  
76-05352C  
76-06992A  
76-06992A  
76-08270C  
76-00415C  
76-00434C  
76-08670C  
76-00437C

FRACTURE BEHAVIOUR OF  $\text{Al}_2\text{O}_3/\text{SiC}$ -PLATELET COMPOSITES  
HEAT-RESISTANT AND HIGH-STRENGTH CERAMICS BASED ON THE  
HIGH-MELTING OXYPOLYMER GLAZES FOR HOUSEHOLD CERAMICS  
IMPROVED THERMAL SHOCK RESISTANCE OF ALUMINA-CHROMIUM  
IMPROVEMENT OF THERMO-MECHANICAL PROPERTIES OF CERAMIC  
IMPROVEMENTS IN TUNDISH SLIDING NOZZLE PLATES FOR HIGH  
INFLUENCE OF GRAIN SIZE ON THE TOUGHNESS AND THERMAL  
INFLUENCE OF MAGNESIA PARTICLE SIZE DISTRIBUTION ON  
ON INFLUENCE OF MICROSTRUCTURE OF TRANSITION LAYER ON  
ON INFLUENCE OF THE FORMING METHODS ON THE FLEXURAL  
INFLUENCE OF THERMAL TREATMENT ON THE MECHANICAL  
INTERNAL FRICTION AND THERMAL SHOCK DAMAGE FOR SOME  
LOW MOISTURE REGULAR CORNELL-SPINER CASTABLES WITH  
MICROSTRUCTURAL DESIGN USING THE CORE-SHELL CONCEPT  
NEUTRON-ABSORBING MATERIAL AND ITS PRODUCTION PROCESS  
NEW WAYS OF IMPROVING THE THERMAL SHOCK BEHAVIOUR OF  
PERFORMANCE OF CERAMIC CUTTING TOOLS IN TURNING  
PERCLASE SPINEL PRODUCTS WITH IMPROVED PROPERTIES BY  
PHASE EQUILIBRIUM, MICROSTRUCTURE AND PROPERTIES OF  
PLASMA CERAMICS - PROPERTIES AND APPLICATIONS  
PREPARATION AND THERMAL SHOCK RESISTANCE MECHANISMS OF  
PROCESS FOR FORMING A SUPERCONDUCTIVE FIBREFORM  
REFRACTORY DESIGN (ONE WITH AND DESIGN OF  
RELATIONS BETWEEN MAXIMUM SIZE OF THE REFRACTORY  
SCANNING PROBE MICROSCOPY AND THERMO-MECHANICAL  
SHAPING OF MULTILAYER CERAMIC MEMBRANES BY DIP COATING  
EMF METHOD FOR THE PREPARATION OF PLASMA-SEALABLE  
SINTERING BEHAVIOUR AND APPLICATION OF  $\text{MgO-PZC}$  CERAMIC  
SINTERING BEHAVIOUR, MICROSTRUCTURE AND MECHANICAL  
STRENGTH OF SILLIMANITE SAND REINFORCED PORCELAIN  
STUDY ON THERMAL SHOCK RESISTANCE OF  $\text{Si}_3\text{N}_4$ -SiC COMPACT  
SUPERCONDUCTIVE FIBREFORM CERAMIC COMPOSITE  
SYNTHESIS OF STABLE SUPPORTS CONSISTING OF SiC-Si  
SYNTHESIS OF  $\text{ZrO}_2$ - $\text{Al}_2\text{O}_3$  ULTRAFINE COMPOSITES AND  
TEXTURAL CHANGE BEHAVIOUR OF REFRACTORIES DURING  
TEXTURAL CHANGE OF MAGNESIA-CHROMITE REFRACTORIES  
THERMAL SHOCK BEHAVIOUR OF  $\text{Al}_2\text{O}_3$ -SiC COMPOSITES MADE  
THERMAL SHOCK BEHAVIOUR OF  $\text{Si}_3\text{N}_4$ -SiC COMPOSITES  
THERMAL SHOCK OF REFRACTORY CASTABLES: TEST PROCEDURES  
THERMAL SHOCK OF TRIAXIAL PORCELAINS  
THERMAL SHOCK RESISTANCE OF 90 TO 100% ALUMINA BRICK  
THERMAL SHOCK RESISTANCE OF ALUMINA-GRAPHITE  
THERMAL SHOCK RESISTANCE OF  $\text{Si}_3\text{N}_4$ -SiC NANOCOMPOSITES  
THERMAL SHOCK RESISTANCE OF ZIRCONIA MATERIALS  
THERMAL SHOCK TEST FOR LARGE LADLE SHROUDS  
THERMAL SHOCK TESTING OF REFRACTORIES AND THE ENERGY  
THERMOELECTRIC PROPERTIES OF  
TRANSLUCENT LOW-THERMAL EXPANSION CERAMICS

## THERMAL SPALLING

THERMAL SPALLING WEAR AND MECHANICAL BEHAVIOUR OF  
THERMAL SPRAYING

COATING CONTAINING DIMOLYBDENUM CARBIDE PRECIPITATES  
COATINGS STAND ALONE  
EFFICIENT USE OF PLATINUM-GROUP METALS IN THE GLASS  
ELECTRICALLY ISOLATING SUPPORT FOR ELECTRONIC  
HIGH VELOCITY OXYFUEL SPRAYED CERAMIC COATINGS  
PLASMA SPRAYED COATINGS VERSUS HIGH VELOCITY OXY FUEL  
PROCESS FOR PRODUCING CARBIDE PARTICLES DISPERSED IN  
PROCESS FOR PRODUCING A STRONG BOND BETWEEN COPPER  
RELATIONSHIP BETWEEN MICROSTRUCTURE AND YOUNG'S  
SEGMENTED CERAMIC INLAY PISTON RING  
SELECTION AND OPTIMISATION OF THERMALLY SPRAYED  
SHD POWDERS FOR THERMAL SPRAY APPLICATIONS  
THERMAL SPRAY INDUSTRY CONTINUES TO DEVELOP  
THERMAL SPRAY OF CERAMIC MATERIALS  
TRIBOLOGICAL BEHAVIOURS OF CHROMIUM CARBIDE COATINGS

## THERMAL STABILITY

ANTIMICROBIAL AND ANTIFUNGAL AGENTS DERIVED FROM CLAY  
CHALLENGES LIE AHEAD FOR MAKERS OF AUTOMOTIVE CATALYST  
CHARACTERISATION OF HYDRATED SILICATE GLASS  
CHARACTERISATION OF PRE-SHAPED ZIRCONIA BODIES FOR  
CHEMICAL CHARACTERISTICS OF THE COMPOUND  
COMPARISON OF CRITICAL DELTA T-VALUES WITH  
COMPOSITE POLYCRYSTALLINE DIAMOND COMPACT WITH  
DEPENDENCE OF THE PROPERTIES OF TITANIUM-PILLARED  
EFFECT OF ADDITIVES ON THERMAL STABILITY OF ZIRCONYL  
EFFECT OF ATMOSPHERE ON PYROLYSIS OF NICALON  
FORMATION OF NEW COMPOUNDS  $\text{LnAl}_2\text{O}_9$  IN THE  $\text{Ln}_2\text{O}_3$ - $\text{Al}_2\text{O}_3$   
HIGH-TEMPERATURE ENVIRONMENTAL STABILITY OF THE  
HIGH-TEMPERATURE STABILITIES OF  $\text{Y}_2\text{O}_3$ ,  $\text{Ba}_2\text{CO}_3$  AND  
IMPROVEMENT OF THERMAL STABILITY AND FRACTURE  
IN-BASED OHMIC CONTACTS TO  $\text{AlN}$   
LOCAL STRUCTURE, THERMAL STABILITY AND OPTICAL  
POLYMER-SILICA HYBRID MATERIALS PREPARED BY SOE  
PREPARATION AND PROPERTIES OF STABLE DYSPROSIUM-DOPED  
RAMAN SCATTERING STUDY ON LOCAL STRUCTURES OF  $\text{Ta}_4$  AND  
SOFC COGENERATION SYSTEM BUILT FROM 2 mm DIAMETER  
STABILITY OF THE Ti-123 PHASES  
STRUCTURE AND CONDUCTIVITY OF La-Ni-Co-OXIDES  
STRUCTURE AND THERMAL EVOLUTION OF SiC-BASED FIBRES  
SYNTHESIS OF FLUORINE MUSCOVITE BY SOLID STATE  
THEORETICAL AND TECHNOLOGICAL PRINCIPLES OF CREATING  
THERMAL STABILITY AND DECOMPOSITION KINETICS OF  
THERMAL STABILITY OF ARTICLES FOR LINING STEEL-TEEMING  
THERMAL STABILITY OF HEXAALUMINATE FILM COATED ON SiC  
THERMAL STABILITY OF Nb THIN FILMS ON SAPPHIRE  
THERMAL STABILITY OF TRANSITION PHASES IN  
THERMOANALYTICAL STUDY OF OXIDATION-SUBSTITUTED CUPRATE

## THERMAL STRESS

ALL-CERAMIC SURFACE MOUNT SIP AND DIP NETWORKS HAVING  
APPLIED TECHNOLOGY OF ROLLER OF STAINLESS STEEL FIBRE  
BIOT'S NUMBER AND THERMAL STRESS IN LIQUID QUENCHES  
CALCULATION OF THERMAL STRESSES IN WHITEWARE BODIES  
CRACK INITIATION AND CRACK GROWTH IN CERAMICS AND  
DEVELOPMENT OF RECYCLING TECHNOLOGY FOR SLIDE GATE  
EFFECT OF SLAG-COATING ON THERMAL STRESS IN  
EFFECT OF STOICHIOMETRY ON MECHANICAL PROPERTIES OF  
FUNCTIONALLY GRADIENT CERAMIC MATERIALS  
INFLUENCE OF MAGNESIA PARTICLE SIZE DISTRIBUTION ON  
LAYER THICKNESS TO REDUCE THE THERMAL STRESS GENERATED  
METHOD AND APPARATUS FOR TESTING CERAMIC SPECIMENS BY  
NON-UNIFORM PHASE TRANSITION IN A  $\text{YBaCu}_3\text{O}_{7-x}$ -DELTA BULK  
NUMERICAL ANALYSIS OF INTERNAL THERMAL STRESSES IN  
ON THE QUANTIFICATION OF QUENCHING TRANSIENT THERMAL  
RELIABLE DESIGN OF CERAMIC COMPONENTS FOR SMALL GAS  
STRESSES IN A2S FUSED-CAST BLOCKS DURING HEATING

## THERMAL TRANSFORMATION

THERMAL TREATMENT IN FRANCE: TECHNICAL AND ECONOMIC  
THERMAL TRANSFORMATIONS

CHARACTERISATION OF A NEW PHASE IN THE THERMAL

## THERMISTORS

AGING STUDY OF NICKEL MANGANES NEGATIVE TEMPERATURE  
BETA-CONDUCTIVITY CONTRAST AT BARIUM TITANATE  
CERAMIC COMPOSITION FOR THERMISTOR  
CERAMIC COMPOSITION FOR THERMISTOR AND THERMISTOR

76-09230A  
76-08502A  
76-05114A  
76-02873A  
76-03661C  
76-02882A  
76-01067A  
76-03465C  
76-00104C  
76-05861C  
76-02886C  
76-07312A  
76-00475C  
76-09177C  
76-04632P  
76-02912C  
76-04817C  
76-07320A  
76-02921A  
76-08196A  
76-07324A  
76-00465C  
76-02932C  
76-07331C  
76-08720C  
76-04494A  
76-03466T  
76-00523C  
76-07336A  
76-07394A  
76-07348A  
76-00465C  
76-04739C  
76-08960A  
76-00540C  
76-02951A  
76-07394A  
76-01147A  
76-02953C  
76-03022C  
76-01383C  
76-02544C  
76-01894A  
76-08601C  
76-01384C  
76-01385C  
76-02545C  
76-04191A

76-04299C  
76-06353P  
76-08132A  
76-05175A  
76-09088P  
76-01221C  
76-01268A  
76-08108P  
76-07050P  
76-09265A  
76-00182P  
76-05442C  
76-04030A  
76-01304A  
76-01305C  
76-04845A

76-01436A  
76-08860P  
76-07186A  
76-01582A  
76-07880C  
76-06826A  
76-08864P  
76-08359A  
76-08475C  
76-03943A  
76-04326A  
76-08861C  
76-01063A  
76-04125A  
76-07612C  
76-09155C  
76-08864P  
76-08714A  
76-06805A  
76-05445C  
76-03607A  
76-07464C  
76-06078C  
76-01554A  
76-00541A  
76-04185A  
76-07350A  
76-08855A  
76-04186A  
76-08602A  
76-05769A

76-05470P  
76-00393C  
76-04356A  
76-02976C  
76-02253A  
76-02976C  
76-07901A  
76-06326A  
76-00465C  
76-02803A  
76-05949P  
76-05762A  
76-09254C  
76-08834A  
76-06512A  
76-07345B  
76-01418A  
76-04077A  
76-03031C  
76-00878A  
76-05472P  
76-00753P

CERAMIC COMPOSITION FOR THERMISTOR, THERMISTOR  
CHARACTERISATION OF BaTiO<sub>3</sub> THERMISTORS AND ZnO  
CHEMICAL PROCESSING AND CHARACTERISATION OF  
DEGRADATION BEHAVIOUR OF PTCR BaTiO<sub>3</sub> IN REDUCING GASES  
DIRECT OBSERVATION OF GRAIN BOUNDARY ELECTRICAL  
ELECTRICAL NETWORK MODEL FOR VARISTORS AND PTC DEVICES  
EXOTHERMIC DEVICE FOR PROVIDING SUBSTANTIALLY CONSTANT  
POTENTIAL ON NEW PTCR BaTiO<sub>3</sub> NEW PTCR BaTiO<sub>3</sub>  
PRESSURE-MEASURING DEVICE AND METHOD USING QUARTZ  
SINTERED CERAMIC FOR HIGH-STABILITY THERMISTORS AND  
SINTERING CERAMIC FOR STABLE HIGH-TEMPERATURE  
TEMPERATURE SENSOR FOR HIGH-TEMPERATURE AND METHOD OF  
THERMISTOR

## THERMOCHEMISTRY

CARBON-BEARING NICKEL(II) FERRITE: A TAILOR-MADE SOLID  
CHARACTERISTICS OF AEROSOL-SYNTHESISED AIR PARTICLES  
CORRELATING THERMOCHEMICAL DATA OF THE OXYGEN NON-  
REACTIVITY OF  $\text{TiO}_2$  WITH THE THERMODYNAMIC STABILITY OF AMORPHOUS  
THERMAL PLASMA TREATMENT OF TITANIUM CARBIDE POWDERS.  
THERMOCHEMISTRY AND STRUCTURE OF BISMUTH(III) BORATE  
THERMOCHEMISTRY OF NEW, TECHNOLOGICALLY IMPORTANT

## THERMODYNAMIC

HEAT CAPACITY OF YTTRIUM ALUMINUM GARNET, Y<sub>3</sub>Al<sub>5</sub>O<sub>12</sub>  
THERMODYNAMIC PROPERTIES  
ADVANCES IN LASER APPLICATIONS FOR HIGH-TEMPERATURE  
BELITE PRODUCED BY MEANS OF LOW-TEMPERATURE SYNTHESIS  
HIGH-TEMPERATURE PROTON CONDUCTOR STRONTIUM ZIRCONATE  
HYDRATION OF ALUMINA CEMENT AND DISSOLUTION OF THE  
MEASUREMENT OF FORMATION FREE ENERGY OF  $\text{Y}_2\text{O}_3$  BY EMP  
ON THE THERMODYNAMIC STABILITY OF AMORPHOUS  
PHASE-DYMIUM AND HIGH-TEMPERATURE SUPERCONDUCTIVITY  
THERMODYNAMIC ASSESSMENT OF THE  
THERMODYNAMIC MODELLING AND CALCULATION OF PHASE

## THERMODYNAMICS

$\text{Al}_2\text{O}_3$ -Al PARTICLE-REINFORCED ALUMINUM MATRIX  
APPLICATION OF DOLOMA REFRACTORIES IN STEELMAKING  
APPLICATION OF THE SIMS METHOD IN STUDIES OF Cr  
CALCULATION OF METASTABLE IMMISCIBILITY REGION IN THE  
CASTABLES IN THE SYSTEM  $\text{MgO-Al}_2\text{O}_3$ -SiO<sub>2</sub>  
CHEMICAL INSTABILITY OF SiC-CARBIDE IN THE  
CHEMICAL REACTIONS IN MULLITE MATRIX SiC WHISKER  
COMBUSTION CO-SYNTHESIS OF  $\text{Si}_3\text{N}_4$ -BASED IN SITU  
CORRELATING THERMOCHEMICAL DATA OF THE OXYGEN NON-  
CORROSION OF  $\text{MgO-MgAl}_2\text{O}_4$  SPINEL REFRACTORY BRICKS BY  
DENSIIFICATION AND THERMAL CONDUCTIVITY OF AIR DOPED  
EFFECT OF CO AND C ON THE FORMATION OF TAC IN  
EQUILIBRIUM CONSTANT - DETERMINATION AND INFLUENCE ON  
"FUNDAMENTAL REACTION OF REFRACTORIES."  
FUNDAMENTAL REACTION OF REFRACTORIES. POINT DEFECTS  
GAS DESORPTION FROM DIFFERENT SILICON NITRIDE POWDERS  
GROWTH SIZE DEPENDENCE OF THE TRANSFORMATION  
GROWTH AND STRUCTURE OF TiCN<sub>x</sub> COATINGS CHEMICALLY  
HIGH-TEMPERATURE STABILITIES OF  $\text{Y}_2\text{O}_3$ ,  $\text{Ba}_2\text{CO}_3$  AND  
HYDROLYSIS OF TETRACALCIUM PHOSPHATE IN  $\text{H}_3\text{PO}_4$  AND  
INCREASING THE WEAR RESISTANCE OF LININGS OF DRE  
LOW-TEMPERATURE SINTERING OF SILICON CARBIDE WITH  
METALLISATION OF  $\text{Si}_3\text{N}_4$  SURFACE BY MOLTEN SALT REACTION  
MODEL OF COAL FUELLED SOFC POWER STATION  
MODEL TO COMPUTE PHASE DIAGRAMS IN OXIDES WITH  
NEW-GENERATION REFRACTORY CONCRETES. INTERRELATION  
OPTICAL FIBRE DRAWING TEMPERATURE OF FLUOROCALATE  
OPTIMISATION OF A DUCTILE-PARTICLE-TOUGHENED CERAMIC  
OXYGEN NONSTOICHIOMETRY AND DEFECTS IN Mn-DOPED  
OXYGEN NON-STOICHIOMETRY AND OXYGEN DIFFUSIVITY OF  
OXYGEN PARTIAL PRESSURE DEPENDENCE OF THE YTTRIUM  
PERFORMANCE OF PIP Zr(Ti)-PAA MEMBRANES IN  
PHASE DISTRIBUTION AND INTERFACE CHEMISTRY OF THE  
PHASE STABILITY OF THE Al-N SYSTEM  
PLASMA PROCESS FOR ULTRAFINE  $\text{Si}_3\text{N}_4$  POWDER SYNTHESIS  
PREDICTING THE PHASE COMPOSITION OF HETEROGENEOUS  
PREDICTION OF PHASE TRANSITION IN  
PREPARATION OF POROUS Cr<sub>3</sub>C<sub>2</sub> GRAINS WITH Cr<sub>2</sub>O<sub>3</sub>  
PYROLYTIC CONVERSION OF POLY(METHYLSILOXANE) TO  
REACTION AND DIFFUSION PATH OF AN INTERFACE REACTION  
RELIABILITY AND REPRODUCIBILITY OF MERCURY INTRUSION  
OF THE WORK OF ADHESION AND THE WETTING OF THE  
SELF-PROPAGATING HIGH TEMPERATURE SYNTHESIS OF CERAMIC  
SINTERING OF MIXTURES OF THE  $\text{MgO-MgCr}_2\text{O}_4$ -Mac (Mac = Si  
STABILITY OF TaN AND TiN IN THE PRESENCE OF REFRACTORY  
SURFACE MODIFICATION OF ALUMINUM NITRIDE POWDER  
SYNTHESIS OF MULTICOMPONENT B-C-O-H-N SYSTEM FOR  
TEMPERATURE EFFECTS ON STRUCTURE AND DYNAMICS IN  
THERMAL EFFICIENCIES OF FLOAT AND CONTAINER FURNACES  
THERMAL PLASMA TREATMENT OF TITANIUM CARBIDE POWDERS.  
THERMODYNAMIC ANALYSIS OF CERAMIC OXIDE/LIQUID METAL  
THERMODYNAMIC ANALYSIS OF B-C-O-H-N SYSTEM FOR  
THERMODYNAMIC PROPERTIES OF MANGANESE OXIDES  
THERMODYNAMIC STABILITY OF BINARY OXIDES IN CONTACT  
THERMODYNAMIC STUDY OF THE STABILITY OF BETA-C2S SOLID  
THERMODYNAMICAL ANALYSIS OF REACTIONS OF OXIDES WITH  
THREE-DIMENSIONAL COMPUTER SIMULATION OF PORTLAND  
VAPORISATION OF  $\text{La}_2\text{O}_3$ : PARTIAL AND INTEGRAL  
WETTING OF  $\text{Si}_3\text{N}_4$  BY THE LIQUID Cr-CONTAINING ALLOYS  
WETTING OF TITANIUM CARBIDE BY PURE LIQUID Cu, Ag AND

## THERMOELASTIC PROPERTIES

RELATION BETWEEN MULTIPLE-SCATTERING THEORY AND  
THERMAL HYSTERESIS FOR THE ALPHA(TL) TO BETA  
THERMOELASTIC BEHAVIOUR IN CaSO<sub>4</sub> SOLID SOLUTIONS

## THERMOELECTRIC PROPERTIES

EFFECTS OF MICROSTRUCTURE ON THERMOELECTRIC PROPERTIES  
THERMOELECTRIC EFFECTS IN AN SOFC  
THERMOELECTRIC PROPERTIES OF HOMOLOGOUS COMPOUNDS IN  
THERMOELECTRIC PROPERTIES  
DC REACTIVE MAGNETRON SPUTTERED CaO THIN FILMS  
EFFECT OF OXIDATION ON THE THERMOELECTRICITY OF Fe-Si  
ELECTROSTATIC POTENTIAL AND TEMPERATURE DISTRIBUTION  
THERMOELECTRIC PROPERTIES OF Al-DOPED ZnO AS A  
THERMOELECTRIC PROPERTIES OF p-TYPE BISMUTH TELLURIDE  
THERMOELECTRIC PROPERTIES OF ZnO-BASED MATERIALS

## THERMOELECTRIC PROPERTIES

THERMOELECTRIC COUPLE DEVICE

## THERMOLUMINESCENCE

La<sub>3</sub> AND Li<sub>3</sub> ISOELECTRONIC CENTRES IN YAG  
PHYSICAL PROPERTIES OF POLYCRYSTALLINE CUBIC BORON  
DOPED EARTH OXYPHOSPHATES FOR LASERS AND X-RAY

## THERMOELECTRIC PROPERTIES

APPLICATION OF THERMO-MECHANICAL MODELLING TO CARBON

CHARACTERISATION OF MECHANICAL AND THERMOELECTRIC  
COMPARISON OF PROPERTIES FOR FORMULATIONS PREPARED  
CONFOURED PENALTES FOR IMPROVED THERMOELECTRIC  
CREEP-INDUCED STRENGTHENING OF SiC-SiC COMPOSITES AND  
CYCLIC-FATIGUE BEHAVIOUR OF SiC/SiC COMPOSITES AT ROOM  
EFFECT OF COMPOSITION ON THE PROCESSING AND PROPERTIES

76-05473P  
76-08670A  
76-00673A  
76-07887A  
76-08271C  
76-09149C  
76-08271P  
76-07982C  
76-01710P  
76-07524P  
76-00871P  
76-00873P  
76-0874P  
76-01012A  
76-04360A  
76-01050A  
76-04176A  
76-08743A  
76-02577A  
76-08856A  
76-01878A  
76-08253C  
76-06945A  
76-07916A  
76-00037A  
76-00356A  
76-08853C  
76-03588A  
76-08857A  
76-08958A  
76-02485A  
76-02804C  
76-08803A  
76-04319A  
76-00399C  
76-01734A  
76-06387A  
76-08880A  
76-01050A  
76-07294A  
76-04425A  
76-06401A  
76-02554A  
76-05257A  
76-04698A  
76-06009C  
76-01835A  
76-08802A  
76-01063A  
76-00038A  
76-02853A  
76-01764A  
76-08889A  
76-05817C  
76-01838A  
76-00493A  
76-05282A  
76-04715A  
76-03415A  
76-09159C  
76-04335A  
76-04389C  
76-04281A  
76-08784A  
76-06046C  
76-05318A  
76-05282A  
76-01774A  
76-06262C  
76-06161A  
76-08843A  
76-08843A  
76-08947A  
76-05290A  
76-00528C  
76-04031A  
76-08843A  
76-00216A  
76-03902A  
76-08743A  
76-08603A  
76-08609C  
76-01658A  
76-08604A  
76-02465A  
76-01896C  
76-08974A  
76-03114A  
76-01791C  
76-01792C  
76-04825A  
76-04351A  
76-04353A  
76-04707A  
76-05462C  
76-00818A  
76-07420A  
76-05375A  
76-01874A  
76-08605A  
76-03292A  
76-08345A  
76-04221P  
76-07932A  
76-08711A  
76-06287P  
76-00389C  
76-02809C  
76-05043A  
76-06217A  
76-02352C  
76-08829A  
76-04755A  
76-06222A

- EFFECT OF MgO CLINKER ON THERMAL CHARACTERISTICS OF EFFECT OF NANOSIZED SiC DISPERSION ON MICROSTRUCTURE EFFECTS OF CARBONACEOUS BINDERS ON THE STRENGTH EFFECTS OF OFF-Axis LOADING ON THE TENSILE BEHAVIOUR EVALUATION OF THERMOMECHANICAL PROPERTIES OF ALUMINA FIBROUS MONOLITHS: ROOM- AND HIGH-TEMPERATURE FINITE ELEMENT ANALYSIS APPLIED TO THERMOMECHANICAL FORSTERITE-CONTAINING PARTS FOR AIR HEATERS OF BLAST FRACTURE BEHAVIOUR OF  $\text{Al}_2\text{O}_3/\text{SiC}$ -PLATELET COMPOSITES HIGH TEMPERATURE CREEP BEHAVIOUR OF SINGLE CRYSTAL IMPROVEMENT OF THERMO-MECHANICAL PROPERTIES OF CERAMIC 'INERT' STRENGTHS OF SILICON NITRIDE CERAMICS AT INFLUENCE OF ANTIOXIDANTS ON THE PROPERTIES OF INFLUENCE OF HEAT TREATMENT ON CREEP BEHAVIOUR OF A INFLUENCE OF MAGNESIA PARTICLE SIZE DISTRIBUTION ON INFLUENCE OF VARIOUS OXIDE AND NONOXIDE MICROFILERS JAPANESE NATIONAL PROJECT ON INTERMETALLICS AND LOW MOISTURE REGULAR CORUNDUM/SPINEL CASTABLES WITH THERMAL BEHAVIOUR OF SEVERAL HYBRID MICROSTRUCTURE AND MECHANICAL PROPERTIES OF SiC MINERALOGY, CORROSION RESISTANCE AND PROPERTIES OF SIX MODELLING OF THE THERMOMECHANICAL BEHAVIOUR OF NEW WAYS OF IMPROVING THE THERMAL SHOCK BEHAVIOUR OF ON THE QUANTIFICATION OF QUENCHING TRANSIENT THERMAL PROPERTIES OF MAGNETRON SPUTTERED CERAMIC FILMS FROM REFRACTORY DESIGN (DESIGN WITH AND DESIGN OF SELECTION OF CASTABLES USED IN IRON AND STEEL STRENGTH AND CORROSION BEHAVIOUR OF A SiC PARTICULATE STRENGTH OF SILLIMANITE SAND REINFORCED PORCELAIN STRESSES IN AZT-FUSED CAST BLOCKS DURING CRYSTALLIZATION STUDY OF THE SUPERPLASTIC BEHAVIOUR OF VARIOUS  $\text{Si}_3\text{N}_4$  SUPER DENSE DIRECT BONDED MAGNESIA-CHROME BRICK FOR SUPERPLASTICITY OF HIP  $\text{MgO}/\text{Al}_2\text{O}_3$  SPINEL: PROSPECTS FOR TAILORING OF THERMOMECHANICAL PROPERTIES OF TENSILE BEHAVIOUR OF AN OXIDE SUPERCONDUCTOR STRENGTHENED THERMAL CHARACTERISTICS OF CASTABLE FOR TEEMING LADLES THERMAL FATIGUE DAMAGE ACCUMULATION IN  $\text{MoSi}_2$  AND THERMAL SHOCK BEHAVIOUR OF  $\text{Al}_2\text{O}_3/\text{SiC}$  COMPOSITES MADE THERMAL SHOCK BEHAVIOUR OF A COARSE GRAIN POROUS THERMAL SHOCK BEHAVIOUR OF UNIDIRECTIONAL SILICON THERMOMECHANICAL AND MICROSTRUCTURAL EVALUATION OF THERMOMECHANICAL IMPROVEMENT OF A FLUE WALL IN ANODE THERMOMECHANICAL PROPERTIES OF THERMOMECHANICAL STRESSES IN BOF LININGS TWO-STEP METHOD TO OBTAIN SUPERPLASTIC SILICON NITRIDE USE OF HIGH STRENGTH INSULATION TO IMPROVE LINING WHICH RHEOLOGICAL PARAMETERS CONTROL THE ISOCHOMAL THERMOOPTICAL PROPERTIES NEW IN SITU MEASURING METHODS FOR THE OPTIMISATION OF THERMOPHYSICAL PROPERTIES ADVANCES IN LASER APPLICATIONS FOR HIGH TEMPERATURE EXPERIMENTAL EVALUATION OF THE MECHANICAL AND THERMOPOWER THERMOPOWER MAPPING OF SUPERCONDUCTING CUPRATES THICK FILMS ADHERENT DIAMOND COATING ON SILICON NITRIDE SUBSTRATE AMMONIA GAS SENSOR USING THICK FILM OF  $\text{Al}_2\text{O}_3$ -LOADED BIAXIAL ALIGNMENT OF HIGH-Tc SUPERCONDUCTOR CATHODIC BEHAVIOUR OF  $\text{ZrO}_2$ -DOPED  $\text{In}_2\text{O}_3$  ON 8 MOLE% CHARACTERISATION OF THICK FILM ( $\text{La,Sr}$ )( $\text{Fe,Al}$ ) $\text{O}_3$  AND CHEMICAL CONSTITUTION AND CONDUCTION MECHANISMS IN CONSIDERATION ON H<sub>2</sub>S SENSING MECHANISM OF  $\text{CuO-SnO}_2$  DC-IV CHARACTERISTICS AND STEADY-STATE DEVELOPING A THICK-FILM CERMET EFFECT OF THICKNESS ON H<sub>2</sub> GAS SENSITIVITY OF  $\text{SnO}_2$  EFFECTS OF PROCESSING CONDITIONS ON THE RESISTIVITY FABRICATION AND ELECTRICAL PROPERTIES OF LEAD HEAT-TREATMENT EFFECT OF DISPERSED PARTICLES ON THE INFLUENCE OF SINTERING ADDITIVES ON THE HUMIDITY METHOD FOR PRODUCING THICK CERAMIC FILMS BY A SOL-GEL  $\text{NO}_2$  GAS SENSING PROPERTIES OF RARE EARTH-COPPER PASSIVE OXIDATION KINETICS OF HIGH-PURITY SILICON PREPARATION OF STABILISED  $\text{PbZr}_{0.1}\text{Sn}_{0.2}\text{Ti}_{0.7}$  (PZT) FILMS PREPARATION OF THICK SILICA FILMS IN THE PRESENCE OF PREPARATION OF  $(\text{ZrO}_2-8 \text{ MOLE} \% \text{ Y}_2\text{O}_3)/\text{SiO}_2/\text{TiO}_2/\text{I}/\text{Ni}$  SOL GEL COATINGS OVERCOME DISADVANTAGES OF THICK-FILM RESISTOR COMPOSITION VAPOUR SENSING PROPERTIES OF A CADMIUM OXIDE-ANTIMONY THICKNESS APPARATUS AND METHOD FOR SLIP CASTING FOR CERAMIC APPLICATION OF THIN CRYSTALLINE  $\text{Si}_3\text{N}_4$  LINERS IN BIPOLAR TRANSISTOR HAVING THIN INTRINSIC BARRIER WITH LOW CERAMIC ARTICLES COATED WC-BASED CEMENTED CARBIDE BLADE MEMBER COMPARISON OF THE CRITICAL THICKNESS FOR MBE GROWN CVD METHOD FOR COATING A GLASS SUBSTRATE DIAMOND CRYSTAL AND METHOD FOR FORMING THE SAME DIAMOND SEMICONDUCTOR DEVICE WITH p-n-n TYPE DIELECTRIC THIN FILM OF SUBSTITUTED LEAD TITANATE ELECTROLUMINESCENT DISPLAY PANEL GALLIUM NITRIDE THICK LAYERS: EPITAXIAL GROWTH AND HIGH-SPEED DOUBLE-HETEROSTRUCTURE BIPOLAR TRANSISTOR INFLUENCE OF AIR PROTECTIVE FILM THICKNESS ON THE INK COMPOSITION FOR FORMING THIN FILM INK JET PRINTER HEAD WITH INK CHANNEL PROTECTIVE FILM INSULATED GATE FIELD EFFECT TRANSISTOR WITH AN ANODIC MAGNETIC HEAD HAVING CHROMIUM NITRIDE PROTECTIVE FILM METHOD FOR FABRICATING A SELF-ALIGNED DOUBLE-GATE METHOD FOR MAKING CERAMIC SUBSTRATES FROM THIN AND METHOD FOR MAKING CONTINUOUS THIN DIAMOND FILM METHOD OF FABRICATING A SEMICONDUCTOR DEVICE METHOD OF FORMING A CMOS CIRCUITRY METHOD OF FORMING CONJUGATED TOP OXIDES USING METHOD OF FORMING MULTIPLE GATE OXIDE THIN FILMS ON A METHOD OF FORMING OXIDE PASSIVATION FILM HAVING METHOD OF FORMING A RESIST PATTERN BY USING A SILICON METHOD OF MAKING SEMICONDUCTOR DEVICE WITH FLOATING MOISTURE BARRIER COMPOSITE FILM OF SILICON NITRIDE AND MONOLITHIC BURIED-SUBSTRATE CERAMIC MULTIPLE MULTICOMPONENT FLUORIDE GLASSES MULTILAYER ANTISTATIC/ANTIREFLECTIVE COATING FOR OPTICAL DIELECTRIC RESPONSE OF GALLIUM NITRIDE STUDIED SEMICONDUCTOR DEVICE HAVING REDUNDANT CIRCUIT SOI SUBSTRATE AND METHOD OF PRODUCING THE SAME SPACER-TYPE THIN-FILM POLYSILICON TRANSISTOR FOR SPHERICAL HIP JOINT SOCKET SUPERCONDUCTING DEVICE HAVING A REDUCED THICKNESS OF THICKNESS DEPENDENCE OF ELECTRONIC PROPERTIES OF GaN THIN-FILM FERROELECTRIC VARIOUS THIN FILMS ON GLASS BY ULTRASMooth ADHERENT DIAMOND FILM COATED ARTICLE AND UNIFORM DENSITY CHARGE DEPOSIT SOURCE THIN APPLICATION OF ELECTROCEAMIC THIN FILMS TO OPTICAL CHEMICAL VAPOUR DEPOSITION OF ELECTROCEAMIC THIN



HIGHLY CONDUCTING TRANSPARENT THIN FILMS BASED ON ZINC  
HIGHLY RESISTIVE SPUTTERED ZnO FILMS IMPLANTED WITH  
HIGH-PERMITTIVITY PEROVSKITE THIN FILMS FOR DYNAMIC  
HIGH-TEMPERATURE SUPERCONDUCTOR DIELECTRIC SLOW WAVE  
HYDROGEN SULPHIDE SENSING CHARACTERISTICS OF TIN OXIDE  
ILLUMINATION-INDUCED SURFACE CHARGES ON THIN DIAMOND  
INFLUENCE OF ADDITIVES ON THE MORPHOLOGICAL, PHASE AND  
INFLUENCE OF AZO3 BUFFER LAYER ON THE CRYSTALLINE  
INFLUENCE OF ANTIMONY DOPING ON ELECTRICAL PROPERTIES  
INFLUENCE OF PRECURSOR CHEMISTRY ON THE MICROSTRUCTURE  
INFLUENCE OF THE MICROSTRUCTURE ON THE PHYSICAL  
INFLUENCE OF THE NITROGEN IMPLANTATION ENERGY ON THE  
INFLUENCES OF ELECTROCHEMICAL VAPOUR DEPOSITION  
INFLUENCES OF ELECTROCHEMICAL VAPOUR DEPOSITION  
INVESTIGATION OF THE DRYING TEMPERATURE DEPENDENCE OF  
ION BEAM ASSISTED CRYSTALLISATION BEHAVIOUR OF SOL-GEL  
LASER IRRADIATION OF PRECERAMIC POLYMER THIN FILMS  
LASER ABLATION DEPOSITION OF  $Pb_{1-x}Ca_xTiO_3$   
LATERAL THIN-FILM SOL DEVICES WITH LINEARLY GRADED  
LEAKAGE CURRENT MECHANISM OF PZT THIN FILMS DEPOSITED  
LOW PRESSURE GROWTH OF CUBIC BORON NITRIDE FILMS

LOW-TEMPERATURE GROWTH OF  $SrO_x$  THIN FILMS USING  
LOW-TEMPERATURE PHOTOLYTIC DEPOSITION OF ALUMINIUM  
LOW-TEMPERATURE PREPARATION OF PEROVSKITE  
 $La_{0.8}Sr_{0.2}Co_{0.7-x}Ti_{0.3}Fe_{0.1}O_{3-x}$  THIN FILMS PREPARED USING MOCVD  
MACHINING PROCESSES REVOLUTIONISE ELECTRONIC  
MAGNETIC AND ELECTRICAL PROPERTIES OF METAFERRITE  
MAGNETORESISTANCE ANISOTROPY IN EPITAXIAL  $YBa_2Cu_{3-x}$   
METHOD AND APPARATUS FOR FABRICATION OF DIELECTRIC  
METHOD FOR FABRICATING A THIN-FILM SEMICONDUCTOR  
METHOD FOR FORMING FERROELECTRIC THIN FILM AND  
METHOD FOR FORMING A PATTERNED FERROELECTRIC THIN FILM  
METHOD FOR FORMING PLT AND PLZT THIN FILMS  
METHOD FOR MAKING DUAL GATE INSULATING FILM WITHOUT  
METHOD FOR MANUFACTURING SUPERCONDUCTING DEVICE HAVING  
METHOD FOR MANUFACTURING A THREE-TERMINAL  
METHOD FOR PASSIVATING INNER SURFACES OF CHEMICAL  
METHOD FOR PRODUCING CARBON NITRIDE FILMS  
METHOD FOR PRODUCING GLASS THIN FILM  
METHOD FOR PRODUCING SYNTHETIC DIAMOND THIN FILM, THE  
METHOD OF DEPOSITING CRYSTALLINE CARBON-BASED THIN  
METHOD OF FABRICATING A THIN-FILM TRANSISTOR  
METHOD OF MAKING POLYCRYSTALLINE THIN FILM AND  
METHOD OF MANUFACTURING A MULTIPLE TRACK THIN-FILM  
MICROHARDNESS AND SURFACE ROUGHNESS OF SILICON CARBIDE  
MICROHARDNESS OF (Ti,Al)N FILMS DEPOSITED BY REACTIVE  
MICROMACHINE AND MICROACTUATOR  
MICRON SCALE PATTERNING OF SOLUTION-DERIVED CERAMIC  
MICROSTRUCTURAL INSTABILITY IN SINGLE-CRYSTAL THIN  
MICROSTRUCTURE AND 90 DEGREE DOMAIN ASSEMBLAGES OF  
MICROSTRUCTURE AND FERROELECTRIC PROPERTIES OF  
MICROSTRUCTURES AND ELECTRICAL RESISTIVITIES OF THE  
MICROSTRUCTURES OF  $\alpha$ -AXIS ORIENTED  $YBa_2Cu_3O_{7-\delta}$   
MODIFIED WURTZITE STRUCTURE OXIDE COMPOUNDS AS  
MORPHOLOGY AND DIELECTRIC PROPERTIES OF REACTIVELY  
MULTILAYER EPITAXIAL  $n(x)SrTiO_3/p(TiO_2)$  THIN FILMS AND  
NANOPIPES AND INVERSION DOMAINS IN HIGH-QUALITY GaN  
NEW DIELECTRIC MATERIALS AND INSULATORS FOR  
NEW METALLIC, ORDERED PEROVSKITE THIN FILM  
NEW PATHWAYS TO HETEROEPITAXIAL GaN BY INORGANIC CVD  
NITRIDE BASED THIN FILM COLD CATHODE EMITTERS  
NITRIDE ENCAPSULATED THIN FILM TRANSISTOR FABRICATION  
NOVEL METHOD FOR ZINC OXIDE SYNTHESIS FROM  
NOVEL MOSAIC-LIKE STRUCTURE IN  $SrTiO_3$  THIN FILMS ON A  
OBSERVATION OF NEAR BAND EDGE TRANSITION IN ALUMINIUM  
OPTICAL AND MICROSTRUCTURAL CHARACTERISATION OF  
OPTICAL AND STRUCTURAL CHARACTERISATION OF RF  
OPTICAL EMISSION SPECTROSCOPY DURING THE BIAS-ENHANCED  
OPTICAL PROPERTIES AND STRESS OF RF MAGNETRON  
OPTICAL PROPERTIES OF EPITAXIAL  $KNbO_3$  AND  $F_0$ -DOPED  
OPTICAL PROPERTIES OF MULTILAYER THIN FILMS  
OPTICAL WAVEGUIDE FORMED BY ALUMINIUM NITRIDE THIN  
OPTICAL WAVEGUIDING PROPERTIES OF HIGHLY (100)  
ORIENTATION CONTROL AND LASER-BEAM-ASSISTED  
ORIENTED BISMUTH TITANATE SOL-GEL FILMS FOR NDRD  
ORIENTED CONDUCTIVE FILM AND PROCESS FOR PREPARING THE

ORIENTED GROWTH OF TIN OXIDE THIN FILMS ON GLASS  
OXIDE FILMS AND NANO-SIZED POWDERS FABRICATED BY  
OXIDE SUPERCONDUCTOR THIN FILM PREPARED BY MBE  
PARAMETRIC STUDY OF THE DEPOSITION OF THE THIN  
PbTiO<sub>3</sub>-PbO-BZOX POLYMER METAL PRECURSOR FOR HIGH  
PbTiO<sub>3</sub>-BZOX GLASSES IN NANOCRYSTALLINE NANOPOROUS TiO<sub>2</sub>  
PHOTOCURRENT GASSES IN NANOCRYSTALLINE NANOPOROUS TiO<sub>2</sub>  
PLANARISATION OF SURFACE OF ALUMINIUM NITRIDE  
POWDERLESS PROCESSING FOR THE PREPARATION OF  
PRECISION MACHINING OF HARD AND BRITTLE MATERIALS IN  
PREFERRED ORIENTATION OF NONLINEAR OPTICAL  
PREPARATION AND CHARACTERISATION OF Al-DOPED ZnO  
PREPARATION AND CHARACTERISATION OF  $Al_xO_3$ -DISPERSED TiO<sub>2</sub>  
PREPARATION AND CHARACTERISATION OF Y-SYSTEM  
PREPARATION AND ELECTRICAL PROPERTIES OF  $SrTiO_3$  THIN  
PREPARATION AND PIEZOELECTRICITY OF C-AXIS ORIENTED  
PREPARATION AND STRUCTURE OF  $Ba(Mg_{1/2}Ti_{1/2})O_3$  THIN  
PREPARATION OF ATO THIN FILMS BY DC MAGNETRON

PREPARATION OF  $BaCoO_3$ -BASED ELECTROLYTE FILMS  
PREPARATION OF BARIUM CERATE-BASED THIN FILMS USING A  
PREPARATION OF EPITAXIAL  $Y_{1-x}Ho_xBa_2Cu_3O_{7-\delta}$  DELTA HIGH TC  
PREPARATION OF FERROELECTRIC PZT THIN FILM BY SOL-GEL

PREPARATION OF HIGHLY ORIENTED BISMUTH TITANATE THIN  
PREPARATION OF HIGHLY ORIENTED THIN FILM EXHIBITING  
PREPARATION OF HOLLOW CUBIC ZIRCONIA FIBRE BY  
PREPARATION OF IRON OXIDE THIN FILMS BY MOCVD  
PREPARATION OF  $La_{0.5}Sr_{0.5}TiO_3$  PEROVSKITE THIN FILMS BY  
PREPARATION OF LEAD ZIRCONATE TITANATE THIN FILMS BY  
PREPARATION OF  $Pb(Zr_{0.5}Ti_{0.5})O_3$  THIN FILMS ON  
PREPARATION OF SPINEL FERRITES WITH SPHERICAL  
PREPARATION OF TRANSPARENT AND CONDUCTIVE ZnO THIN  
PREPARATION OF  $YBa_2Cu_3O_{7-\delta}$  DELTA THIN FILM BY  
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PROCESS FOR PREPARING A LAYERED SUPERCONDUCTING  
PROCESS FOR PREPARING A THIN FERROELECTRIC OR  
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PULSED LASER ABLATION-DEPOSITION OF  $La_{0.5}Sr_{0.5}CoO_3$  FOR  
PULSED LASER DEPOSITION OF SILICON NITRIDE THIN FILMS  
PZT PHASE FORMATION MONITORED BY HIGH-TEMPERATURE  
PZT THIN FILMS FOR FERROELECTRIC CAPACITOR AND METHOD  
RADIATION EFFECTS ON  $YBa_2Cu_3O_{7-\delta}$  DELTA HIGH-TC  
RANDOM STUDIES ON  $PbTiO_3$  THIN FILMS BY MODIFIED SOL-GEL  
RESIDUAL STRESS AND GROWTH ORIENTATION IN Y2O3 THIN  
RF AEROSOL PLASMA FABRICATION OF INDIUM TIN OXIDE AND  
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SEMICONDUCTOR THIN FILM FORMED ON A SUPPORTING  
SIMPLE ROUTE FOR SYNTHESIS OF A BIEPITAXIAL JUNCTION  
SINGLE AND MULTIPLE GRAIN BOUNDARY DIFFUSION THROUGH  
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SOL-GEL PROCESS OF NON-LINEAR OPTICAL SILICA FILMS  
SOL-GEL PROCESSING  
SOL-GEL PROCESSING OF METHACRYLIC ACID MODIFIED  
SOL-GEL SYNTHESIS AND ELECTRICAL CHARACTERISATION OF  
SOL-GEL SYNTHESIS OF HIGH-HUMIDITY-SENSITIVE AMORPHOUS  
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SPECTRAL DEPENDENCE OF THE COMPLEX REFRACTIVE INDEX OF  
SPUTTERED THIN FILMS OF FERROELECTRIC FILMS AND  
SPUTTERED  $La_{0.5}Sr_{0.5}MnO_3$ -YTRIA STABILISED ZIRCONIA  
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SUPERCONDUCTING OXIDE THIN FILM DEVICE  
SUPERCONDUCTING THIN FILM HAVING AT LEAST ONE ISOLATED  
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SUPPRESSION OF GRAIN GROWTH IN SOL-GEL-DERIVED TIN  
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SYNTHESIS AND PHASE TRANSITION OF  $Cu_{x/2}$  ION DOPED VO<sub>2</sub>  
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THICKNESS DEPENDENCE OF REFRACTIVE INDEX FOR ANODIC  
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X-RAY PHOTOELECTRON SPECTROSCOPY CHARACTERISATION OF  
X-RAY-FIBER AND THIN FILM SYSTEMS  
YS-THIN-FILM ELECTROLYTE FOR LOW-TEMPERATURE SOLID  
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## THORIA

PREPARATION AND PROPERTIES OF TRANSPARENT

## THULIUM

DIRECT OBSERVATION OF TIME-RESOLVED EXCITED STATE

SUPERCONDUCTING TRANSITION BEHAVIOUR OF

## TILE

## TILE DFMG

DURABILITY ASPECTS OF ARMOURING WITH CERAMIC TILES

## TILE INDUSTRY

1994: A GOOD YEAR FOR THE FRENCH CERAMIC TILE INDUSTRY  
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CHINESE CERAMIC TILE AND SANITARYWARE INDUSTRY  
CHINESE WALL AND FLOOR TILE AND SANITARYWARE INDUSTRY  
COST-PERFORMANCE RATIO IN CERAMIC TILES  
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HANDBOOK 'CERAMIC TILE AND ENVIRONMENT'  
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SOLID WASTE: THE CURRENT SITUATION AND FUTURE

SPAIN'S TILE INDUSTRY SHOWS ENORMOUS INCREASE

STATUS OF INDIAN CERAMIC TILES INDUSTRY

STRONG INNOVATION FOR THE CHINESE CERAMIC INDUSTRY

TILES SUPPORT ITALIAN CERAMICS INDUSTRY

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## TILEMAKING

DEVELOPMENT OF VERTICAL STORAGE SYSTEM FOR

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## TILES

ACOUSTIC QUALITY CONTROL OF TILES

ADVANCES IN SPRAY-DRIED POWDER PROCESSING FOR TILE

76-04486A  
76-00815A  
76-07365A  
76-05718P  
76-05765A  
76-03429A  
76-01999A  
76-02030A  
76-00293A  
76-08213A  
76-03345P  
76-07844P  
76-07862P  
76-01080A  
76-04703C  
76-07969C  
76-01290A  
76-03777C  
76-02014C  
76-07970A  
76-07460A  
76-03296A  
76-01855A  
76-00974A  
76-05628P  
76-03284A  
76-07164A  
76-02961A  
76-07462C  
76-08587A  
76-03610A  
76-03783A  
76-03990A  
76-07243A  
76-08066A  
76-01131P  
76-05804P  
76-03651P  
76-07994A  
76-07243A  
76-02019A  
76-04507A  
76-02021A  
76-03990A  
76-04512A  
76-03790C  
76-00991A  
76-00143A  
76-03066A  
76-03820A  
76-05077A  
76-05629P  
76-01090A  
76-07719C  
76-08870P  
76-06393C  
76-06540A  
76-03488C  
76-06179A  
76-06179A  
76-04679P  
76-04401A  
76-05466A  
76-08220A  
76-03011A  
76-09139P  
76-07720C  
76-08859A  
76-07467A  
76-08859A  
76-00819A  
76-07984A  
76-08305A  
76-03796C  
76-08859A  
76-01813P  
76-08965A  
76-07710A  
76-07468A  
76-03011A  
76-05469C  
76-06820A  
76-04153C  
76-07054C  
76-03614A  
76-01743A  
76-04849A  
76-02321A  
76-09301A  
76-09302A  
76-00577C  
76-04886C  
76-00589C  
76-05313A  
76-09318A  
76-07376A  
76-00599C  
76-04897A  
76-06064C  
76-00343A  
76-06893A  
76-06025A  
76-04911B  
76-03013A  
76-06026C  
76-00626C  
76-09335A  
76-00632C  
76-04929A  
76-09343A  
76-09345A  
76-04932A  
76-09347A  
76-02389A  
76-04944A  
76-00656A  
76-02985A  
76-02999C  
76-02971A  
76-02974C

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EVOLUTION OF GLAZING AND GLAZES  
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**TIN DIOXIDE**  
INFLUENCE OF Ce AND Sb DOPING ONTO SnO<sub>2</sub> DIP-COATED  
**TIN OXIDE**  
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APPLICATIONS OF SOL-GEL DERIVED TIN OXIDE THIN FILMS  
CHARACTERISATION OF SnO<sub>2</sub>-BASED H<sub>2</sub> GAS SENSORS  
COATED POROUS SUBSTRATES  
COMPARATIVE STUDY OF LASER ABLATION TECHNIQUES FOR  
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EFFECT OF HEAVY DOPING IN SnO<sub>2</sub>-F FILMS  
EFFECT OF THICKNESS ON H<sub>2</sub> GAS SENSITIVITY OF SnO<sub>2</sub>  
EFFECTS OF ADDITIVES ON SnO<sub>2</sub> VARIATORS  
ELECTRICALLY CONDUCTIVE TRANSPARENT DOPED TIN OXIDE  
ELECTROCONDUCTIVE COMPOSITION AND PROCESS OF  
ELECTROCONDUCTIVE MATERIAL AND PROCESS  
FABRICATION AND CHARACTERISTICS OF HIGH-PERFORMANCE  
GLASS SUBSTRATE COATED WITH THIN MULTILAYERS FOR  
HYDROGEN SULPHIDE SENSING CHARACTERISTICS OF TIN OXIDE

76-00562A  
76-02313A  
76-02666C  
76-02875B  
76-04857S  
76-04858S  
76-03924A  
76-03570A  
76-01445C  
76-03879A  
76-02326A  
76-07365A  
76-04871A  
76-04871A  
76-00372P  
76-02982C  
76-02983A  
76-02984C  
76-02409P  
76-01743A  
76-00584C  
76-00585A  
76-02987A  
76-03701C  
76-07371A  
76-02342A  
76-00586C  
76-02986C  
76-00590A  
76-00592C  
76-02728A  
76-03703A  
76-02989A  
76-02990A  
76-07409P  
76-00597A  
76-07375A  
76-04891A  
76-01693P  
76-00610C  
76-00602A  
76-00339A  
76-02995C  
76-02996A  
76-00603C  
76-03607A  
76-02998C  
76-00608A  
76-04903A  
76-04905A  
76-04902B  
76-05219A  
76-03000A  
76-00309P  
76-03001A  
76-00610C  
76-07381A  
76-00611C  
76-07383A  
76-03007A  
76-03009A  
76-00618A  
76-03011A  
76-04919A  
76-03012A  
76-04026B  
76-03013A  
76-03013A  
76-07386A  
76-06728P  
76-04016P  
76-07371A  
76-03900C  
76-05320A  
76-00559P  
76-00627C  
76-07392A  
76-07273A  
76-09335A  
76-05226A  
76-03015A  
76-03016A  
76-00631A  
76-01539A  
76-08419A  
76-07393A  
76-04931A  
76-00631A  
76-07395A  
76-00635C  
76-00636A  
76-00637C  
76-00639A  
76-04048A  
76-00641A  
76-03021C  
76-05328P  
76-03023P  
76-00646C  
76-04943A  
76-00650A  
76-07398A  
76-00653C  
76-08229A  
76-00009P  
76-07154C  
76-02630A  
76-03067C  
76-01574A  
76-04065A  
76-07409A  
76-06193P  
76-07411A  
76-00611A  
76-02197A  
76-03054A  
76-07571C  
76-06593P  
76-04559P  
76-06594P  
76-00771P  
76-05391A  
76-07251P  
76-00701A  
INFLUENCE OF ADDITIVES ON THE MORPHOLOGICAL PHASE AND  
INFLUENCE OF SnO ON THE SINTERING BEHAVIOUR OF TIN  
INVESTIGATION OF SnO<sub>2</sub> DEFECT CHEMISTRY IN RELATION  
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MULTISENSOR SYSTEM FOR GAS DETECTION IN COMBUSTION  
ORIENTED GROWTH OF TIN OXIDE THIN FILMS ON GLASS  
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PREPARATION OF TIN OXIDE MONOLITH BY THE SOL-GEL  
SPONTANEOUS SOLUTION-SOL-GEL PROCESS FOR PREPARING TIN  
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ALKALINE CELL HAVING A CATHODE INCLUDING A TITANATE  
BUG-FREE LINEAR QUARTZ HALOGEN LAMP  
CHEMICAL CHARACTERISTICS OF THE COMPOUND  
COMPARISON OF X-RAY PATTERNS AND RAMAN SPECTRA OF n  
DECOMPOSITION OF Al<sub>2</sub>TiO<sub>5</sub>-MgTiO<sub>5</sub> SOLID SOLUTIONS: A  
EFFECT OF ADDING PROCESS OF ZnO<sub>2</sub> ON THE PROPERTIES  
EFFECT OF Mn ON AGEING OF (Pb<sub>0.98</sub>Bi<sub>0.02</sub>)<sub>2</sub>ZnO<sub>2</sub>·TiO<sub>2</sub>·3O<sub>2</sub>  
EFFECTS OF DOPING ON THE ELECTRONIC STRUCTURE OF  
ELECTRICAL CONDUCTIVITY OF HOLLANDITE-TYPE  
FERROELECTRIC PHASE TRANSITION BEHAVIOUR IN  
LOW-TEMPERATURE AQUEOUS SYNTHESIS (LTAS) OF CERAMIC  
METHOD AND APPARATUS FOR ETCHING TITANATE WITH ORGANIC  
METHOD FOR MANUFACTURING A DIELECTRIC CERAMIC  
METHOD FOR THE PREPARATION OF ORGANIC SOLVENT-SOLUBLE  
NEUTRON DIFFRACTION STUDY OF STRUCTURAL DISTORTIONS IN  
SELF-PROPAGATED HIGH-TEMPERATURE SYNTHESIS OF SrTiO<sub>3</sub>  
SINGLE-CRYSTAL K<sub>2</sub>Zn<sub>2</sub>W<sub>2</sub>O<sub>16</sub> PROPERTIES: GROWTH AND  
STOICHIOMETRY, STRUCTURES AND POLYMORPHISM OF  
SYNTHESIS OF OXIDE PEROVSKITE SOLID SOLUTIONS USING  
**TITANIA**  
ANTIMICROBIAL CERAMICS PRODUCTS - TITANIA  
ARCHITECTURAL MATERIAL USING METAL OXIDE EXHIBITING  
ATOMIC STRUCTURE OF A 36.8 (210) TILT GRAIN BOUNDARY  
BALL MILLING INDUCED LOW-TEMPERATURE CARBOTHERMIC  
BARIUM OXIDE-RARE EARTH OXIDE-TITANIUM DIOXIDE BASED  
BIOACTIVE Ca<sub>10</sub>(PO<sub>4</sub>)<sub>6</sub>(OH)<sub>2</sub>-TiO<sub>2</sub> COMPOSITE COATING  
BIOACTIVE CERAMICS FOR ORTHODONTIC AND DENTAL USE  
CATHODIC ELECTROSYNTHESIS OF CERAMIC DEPOSITS  
CERAMIC COATING SYSTEM OR WATER OXIDATION ENVIRONMENTS  
CERAMIC MIRRORS  
CHARACTERISATION AND SINTERING BEHAVIOUR OF  
FINE-TITANIUM DIOXIDE PARTICLES WITH ALUMINIUM  
COLOURED BOROSILICATE GLASS  
COMPOSITE PIGMENTARY MATERIAL  
DENSIFICATION OF CERAMIC NANOMETRE-SIZED POWDERS BY  
DETERMINATION OF THE ENERGY OF THE INTERACTIONS  
DIELECTRIC CERAMIC BODY INCLUDING TiO<sub>2</sub> DISPERSION IN  
DIELECTRIC CERAMIC COMPOSITION FOR HIGH FREQUENCIES  
DIELECTRIC CERAMIC COMPOSITION, MULTILAYER RESONATOR  
DIELECTRIC COATING FOR OZONE GENERATOR ELECTRODES  
DIELECTRIC PROPERTIES OF ORGANIC-INORGANIC HYBRIDS:  
EFFECT OF ADDITION OF SILVER ON ANATASE-RUTILE  
EFFECT OF AGEING CONDITIONS ON THE PORE STRUCTURAL  
EFFECT OF Cr<sub>2</sub>O<sub>3</sub> IN THE VARISTOR BEHAVIOUR OF TiO<sub>2</sub>  
EFFECT OF RELATIVE HUMIDITY ON MORPHOLOGY AND  
EFFECT OF SOLVENT ON TITANIA PARTICLE FORMATION AND  
EFFECT OF STRONTIUM SUBSTITUTION IN (Nb,Bi) DOPED TiO<sub>2</sub>  
EFFECT OF SUBSTRATE ORIENTATION ON THE CRYSTAL QUALITY  
ELECTRICALLY CONDUCTIVE TITANIUM SUBOXIDES  
ELECTRODEPOSITED NANOPOROUS TiO<sub>2</sub> FILM BY A TWO-STEP  
ELECTRO-SPRAY SYNTHESIS OF TITANIUM OXIDE  
EXTENT OF SOLID SOLUBILITY OF THE RuO<sub>2</sub>-TiO<sub>2</sub> SYSTEM  
FABRICATION OF TiO<sub>2</sub> COATING ON SiC WHISKER BY A  
FABRICATION OF TiO<sub>2</sub> PHOTOCATALYTIC TILE AND ITS  
FIBROUS ZEOLITE AND PREPARATION METHOD THEREOF  
FLAME HYDROLYTICALLY PRODUCED TITANIUM DIOXIDE MIXED  
FORMATION OF NANOLOW SPHERICAL CERAMIC OXIDE PARTICLES  
FORMATION OF MONODISPERSE SPHERICAL TiO<sub>2</sub> POWDERS BY  
"FOULING" OF INORGANIC MEMBRANE IN MF/UF PROCESSING OF  
GLASS SUBSTRATE COATED WITH THIN MULTILAYERS FOR  
GRAIN SIZE DEPENDENCE OF ANATASE-TO-RUTILE STRUCTURAL  
HIGH GLOSS DURABLE TiO<sub>2</sub> PIGMENT  
HUMIDITY RESPONSE OF TITANIA CERAMICS  
HYDROGEN SULPHIDE CONVERSION WITH NANOPHASE TITANIA  
IMPROVEMENT IN FLOWABILITY, OXIDATION RESISTANCE AND  
INFLUENCE OF ADDITIONAL MECHANIC ENERGY ON HIGH  
IN-PROCESS ANALYSIS OF THE CALCINATION OF TITANIUM  
INTEGRATED TiO<sub>2</sub> PIGMENT & MINERALS SUPPLY/DEMAND  
JOINTS IN BONDING OF ELECTRICAL WIRES  
MAGNESIA-TITANIA REFRACTORY AND METHOD FOR  
MAGNETIC HEAD HAVING CaO-TiO<sub>2</sub>-NiO CERAMIC WITH  
MANMADE VITREOUS FIBRES  
MEASUREMENT OF SMALL CONCENTRATIONS OF VANADIUM IN  
METHOD FOR MANUFACTURING OXIDE CERAMIC SINTERED BODIES  
METHOD FOR PREPARING A FIBROUS ELECTRICALLY CONDUCTIVE  
METHOD FOR SYNTHESIZING TITANIUM NITRIDE WHISKERS  
METHOD FOR THE PREPARATION OF IMPLANTS MADE OF  
METHOD OF PRODUCING AN OXYGEN GENERATING ELECTRODE  
MICROSTRUCTURE OF NANOSIZED TiO<sub>2</sub> OBTAINED BY SOL-GEL  
NANOSTRUCTURED MATERIALS FOR PHOTONICS  
ORGANOSOLUBLE TREATMENT OF TiO<sub>2</sub> PIGMENT BEARING A  
ORIENTED BARIUM TITANATE THICK FILMS BY REACTIVE  
PHOTOCATALYTIC HYDROGEN GENERATION WITH SEMICONDUCTOR  
PHOTOCATALYTIC WATER PURIFICATION  
PHOTOCURRENT LOSSES IN NANOCRYSTALLINE/NANOPOROUS TiO<sub>2</sub>  
PHOTOSTABILITY OF DYE-SENSITIZED SOLID STATE  
PILOT PLANT SCALE PHOTODEGRADATION OF TRICHLOROETHYLENE  
POLY(METHYL METHACRYLATE)-TITANIA HYBRID MATERIALS BY  
PREPARATION AND CHARACTERISATION OF Au-DISPERSED TiO<sub>2</sub>  
PREPARATION AND CHARACTERISATION OF TiO<sub>2</sub> MEMBRANES FOR  
PREPARATION OF ANATASE, BROOKITE AND RUTILE AT LOW  
PREPARATION OF ANATASE TITANIUM DIOXIDE  
PREPARATION OF NANOSIZED TITANIA POWDER VIA THE  
PREPARATION OF SOLS BY PETITISATION OF PRECURSOR  
PREPARATION OF Vsb sub a Ti sub b O sub x AMOXIDATION  
PROCESS AND SLIDING COMPONENTS SO OBTAINED  
PROCESS FOR PREPARING SILICA-TITANIA CATALYST

76-05401A  
76-08909A  
76-03069C  
76-08112A  
76-01826A  
76-06197P  
76-05416A  
76-08629P  
76-00715A  
76-04471A  
76-08201A  
76-08202A  
76-06499A  
76-02000A  
76-01649A  
76-03102A  
76-00740A  
76-02019A  
76-05629P  
76-05466A  
76-01902P  
76-04223P  
76-06533C  
76-00750P  
76-04203P  
76-07880C  
76-09170A  
76-03365A  
76-00896A  
76-00683A  
76-03528A  
76-07906C  
76-00913A  
76-01826P  
76-09032P  
76-05499P  
76-02211P  
76-09182A  
76-04541P  
76-03433A  
76-05444A  
76-06271A  
76-05689A  
76-01575A  
76-08151P  
76-09168A  
76-05822A  
76-06348P  
76-06106A  
76-01826P  
76-01579A  
76-00151P  
76-08981P  
76-08456A  
76-04541P  
76-05155P  
76-02063P  
76-05992C  
76-04091C  
76-00761P  
76-00764P  
76-05479P  
76-00766P  
76-05522C  
76-06297A  
76-00764P  
76-05372A  
76-06119C  
76-08150A  
76-05376A  
76-05376A  
76-04558P  
76-00840A  
76-03951A  
76-01579A  
76-01469A  
76-00592C  
76-04564P  
76-09008P  
76-01213A  
76-00764P  
76-04112C  
76-07251P  
76-04115A  
76-00639P  
76-03061A  
76-02085P  
76-00454A  
76-05859C  
76-06613P  
76-02366A  
76-00164P  
76-02965P  
76-06196P  
76-06625P  
76-01368A  
76-09044P  
76-06646P  
76-09053P  
76-09055P  
76-06646P  
76-06149C  
76-06469C  
76-00661P  
76-00948A  
76-03265A  
76-04147A  
76-03270A  
76-04149C  
76-06466C  
76-08391A  
76-08930A  
76-08558A  
76-08399A  
76-06717P  
76-08442P  
76-01984A  
76-03750A  
76-09090P  
76-08633P  
76-04648P

- PROPERTIES OF ANATASE FILMS FOR PHOTOCATALYST FROM REMOVAL OF NITROGEN OXIDES FROM ATMOSPHERIC RHONE-POULENC, TiO<sub>2</sub> PROFILE
- RUTILE FORMATION IN HYDROTHERMALLY CRYSTALLISED RUTILE TITANIUM DIOXIDE
- SALT EFFECT AND POLYMER LEAK IN SELECTIVITY AND COMPOSITIONAL DEPENDENCE OF RESPONSE SEMICONDUCTOR PHOTOELECTRODE AND PHOTOCATALYSIS SINTERING OF NANO-PARTICLE POWDERS: SIMULATIONS AND SOLAR WINDOW: A NEW TYPE OF SOLAR CELL BASED ON SOL-GEL PROCESSING
- SOLID SOLUTIONS WITH RUTILE STRUCTURE: ELECTRONIC SOLID-STATE DIFFUSIVE AMORPHISATION IN TiO<sub>2</sub>/O<sub>2</sub> STRENGTH DISTRIBUTION OF TITANIA CERAMICS AFTER STRUCTURAL EVOLUTION OF GEL-DERIVED NANOCRYSTALLINE STRUCTURED PIGMENT COMPOSITIONS, METHOD FOR SUPERFINE MICROELEMENTAL BIOCHEMICAL MIXTURE AND SUPER-HYDROPHILIC TiO<sub>2</sub> PHOTOCATALYST AND ITS SURFACE PROPERTIES OF TiO<sub>2</sub> POWDERS
- SYNTHESIS OF NANOMETRE-SIZED POWDERS OF ALUMINA AND SYNTHESIS OF PEROXO-MODIFIED ANATASE SOL FROM PEROXO TEMPERATURE PROFILE OF ANATASE-TiO<sub>2</sub> POWDER COMPACT THEORETICAL MODEL FOR COMPACTION OF GRANULAR MATERIALS
- THERMAL TREATMENT OF TITANATE DERIVATIVES SYNTHESISED TiO<sub>2</sub> COATING PHOTOCATALYSTS WITH NANOSTRUCTURE AND TiO<sub>2</sub> LIGHT SCATTERING EFFICIENCY WHEN INCORPORATED IN TiO<sub>2</sub> POROUS MATERIALS OBTAINED FROM DIFFERENT TITANIA AND SILICA POWDERS PRODUCED IN A COUNTERFLOW TITANIUM DIOXIDE FILM OBTAINED USING THE MOCVD METHOD TREATMENT PROCESS FOR TITANIUM DIOXIDE PIGMENTS, NOVEL ULTRAVIOLET ABSORBING GREEN TINTED GLASS
- WATER-RESISTANT PRECURSOR IN A WET PROCESS FOR TiO<sub>2</sub>
- TITANIUM**
- ALUMINIUM NITRIDE SINTERED BODY AND PROCESS FOR ANNEALING OF TITANIUM-TITANIUM NITRIDE IN CONTACT HOLE CATALYST AND METHOD FOR DENITRIZATION OF NITROGEN CERAMIC COATING SYSTEM OR WATER OXIDATION ENVIRONMENTS CERAMIC SHELL COMPOSITIONS FOR CASTING OF REACTIVE CERAMIC SHELL Moulds AND CORES FOR CASTING OF REACTIVE CESIUM TITANIUM SILICATE AND METHOD OF MAKING CHARACTERISATION OF METAL/Al<sub>2</sub>O<sub>3</sub>-TiN INTERFACE THERMAL DENTAL CERAMIC, COATED TITANIUM PROSTHESIS EVOLUTION OF Ti SCHOTTKY BARRIER HEIGHTS TYPE GaN FABRICATION AND THERMAL PROPERTIES OF COMPOSITIONALLY FIVE- AND SIX-COORDINATE PRECURSORS FOR TITANIUM INVESTIGATION OF ALUMINIUM AND TITANIUM/ALUMINIUM LIQUID SOLUTION OF TiB<sub>4</sub> IN Bz<sub>2</sub> USED AS A PRECURSOR METHOD FOR FORMING A CAPACITOR OF A SEMICONDUCTOR METHOD FOR FORMING A WIRING CONDUCTOR IN SEMICONDUCTOR METHOD FOR MAKING A METAL-TO-METAL CAPACITOR METHOD FOR THE PREPARATION OF IMPLANTS MADE OF METHOD OF FORMING ABO<sub>3</sub> FILMS WITH EXCESS B-SITE METHOD OF NITRIDATION OF TITANIUM THIN FILMS MICROGRAVITATIONAL COMBUSTION SYNTHESIS NEW PHOSPHANYL-SUBSTITUTED TITANIUM AND ZIRCONIUM PROCESS FOR DEPOSITION OF A Ti/TiN CAP LAYER ON PROCESS FOR OBTAINING ZEOLITES CONTAINING TITANIUM PRODUCTION OF DIELECTRIC CERAMIC MATERIAL POWDER PROPERTIES OF THE SURFACE OF A TITANIUM ALLOY ENGINE STRUCTURE OF TITANIUM SILICATE GLASSES INVESTIGATED BY SYNTHESIS AND CHARACTERISATION OF TITANIUM OXO-TECHNIQUES FOR IMPROVING ADHESION OF SILICON DIOXIDE TITANIUM MATRIX COMPOSITES
- TITANIUM-BASED BONE-BONDING COMPOSITES HAVING INVERTED
- TITANIUM ALUMINATE**
- PROSPECTS OF THE USE OF TITANIUM ALUMINATE CERAMICS IN
- TITANIUM ALUMINIDE**
- CHEMISTRY AND STRUCTURE OF CHEMICALLY-DERIVED MEASUREMENT OF THE DYNAMIC ELASTIC MODULI OF POROUS
- TITANIUM ALUMINIUM NITRIDE**
- MICROHARDNESS OF (Ti,Al)N FILMS DEPOSITED BY REACTIVE NEW TERNARY NITRIDE IN THE Ti-Al-N SYSTEM STRUCTURAL ANALYSES AND PROPERTIES OF Ti<sub>1-x</sub>Al<sub>x</sub>N FILMS
- TITANIUM BORIDE**
- ATMOSPHERE EFFECTS ON COMBUSTION SYNTHESIS OF SiC AND COMPOSITE MATERIALS BASED ON BORON CARBIDE, TITANIUM CONSOLIDATION OF TiB<sub>2</sub> POWDERS PRODUCED BY PLASMA EFFECT OF DEPOSITION CONDITIONS AND SUBSTRATE MATERIAL EFFECT OF INDENTATION LOAD ON THE MICROHARDNESS OF EVALUATION OF NOVEL REFRACTORY MATERIALS FOR THE FABRICATION OF TiB<sub>2</sub> AND TiB<sub>2</sub>/FeB COMPOSITES BY GAS-PHASE COMBUSTION SYNTHESIS OF TITANIUM BORIDE GROUP IVB BASED MATERIALS GROUP IVB BORIDE BASED ARTICLES, ARTICLES, CUTTING MULTIPLE LAYER EROSION-RESISTANT COATING AND A METHOD OF OXIDATION BEHAVIOUR OF TITANIUM BORIDE AT ELEVATED PROTECTIVE COATINGS FOR MAGNETIC-RECORDING DISKS REACTION PATH IN THE FORMATION OF TITANIUM DIBORIDE BY SCRAPER BLADE CLEANING CONVEYOR BELT OF TITANIUM SELF-PROPAGATING HIGH-TEMPERATURE SYNTHESIS FLAMMABLE SIMULTANEOUS CONSOLIDATION OF TITANIUM DIBORIDE WITH STRENGTH AND FRACTURE TOUGHNESS OF HOT PRESSED TENSION-COMPRESSION CYCLIC FATIGUE OF TITANIUM
- TITANIUM CARBIDE**
- CARBOTHERMAL SYNTHESIS OF TiC WHISKERS VIA A CERAMIC ELECTRODE FOR VAPOUR-FED ALKALI METAL COATED FILAMENTS EFFECT OF NICKEL ADDITION ON THE COMBUSTION REACTION EFFECTS OF ZrC AND VC ADDITION ON THE DIFFUSION EROSION-RESISTANT TITANIUM CARBIDE COMPOSITES AND IGNITION PHENOMENA AND REACTION MECHANISMS OF THE LAMINATE CONTAINING DIAMONDLIKE CARBON AND TiN: FILM METHOD OF MAKING HEAT- AND IMPACT-RESISTANT COMPOSITE METHOD OF MAKING SUBSTRATES FOR THE GROWTH OF MICROSTRUCTURAL EVOLUTION IN THE COMBUSTION SYNTHESIS MICROSTRUCTURE OF NON-OXIDE CERAMICS FORMED BY SHS/HP NUMERICAL MODELLING OF SHOCK-COMPRESSION PROCESSING OF PREPARATION OF MICRO-COILED SiC AND TiC FIBRES BY PROCESS FOR MAKING TiC-BASED WHISKER COMPOSITE SELF-PROPAGATING HIGH-TEMPERATURE SYNTHESIS FLAMMABLE SUPERPLASTIC Mg-BASED COMPOSITE MATERIAL AND METHOD SURFACE-COATED CUTTING TOOL SYNTHESIS OF HYBRIDMICROMETRE TITANIUM CARBIDE POWDERS THERMAL PLASMA TREATMENT OF TITANIUM CARBIDE POWDERS
- TITANIUM-BASED HARD SINTERED ALLOY UNDERWATER-SHOCK CONSOLIDATION OF COMBUSTION WAVE VELOCITY AND KINETICS OF TiC COMBUSTION SYNTHESIS WETTING OF TITANIUM CARBIDE BY PURE LIQUID Cu, Ag AND
- TITANIUM CARBONITRIDE**
- COATED FEMORAL STEM PROSTHESIS GROWTH AND STRUCTURE OF TiC<sub>0.9</sub>N<sub>0.1</sub> COATINGS CHEMICALLY METHOD FOR OBTAINING WELL-DEFINED EDGE RADI ON METHOD OF DEPOSITING TITANIUM CARBONITRIDE FILMS ON NEW GENERATION PVD "PLATTI" COATINGS FOR CUTTING
- PROCESS FOR PRODUCING CERMET CUTTING TOOLS HAVING BOTH
- SPHERICAL NITRIDE
- TITANIUM CARBONITRIDE COATED STRATIFIED SUBSTRATE AND TRIGONAL ORDERED STRUCTURE IN TITANIUM CARBONITRIDE
- TITANIUM DISULPHIDE**
- TITANIUM DISULPHIDE THIN FILM PREPARED BY PLASMA-CVD
- TITANIUM HIOLATE**
- DIELECTRIC PROPERTIES OF TiO<sub>2</sub>-Nb<sub>2</sub>O<sub>5</sub> CRYSTALLOGRAPHIC
- TITANIUM HIOLATE TANTALATE**
- DIELECTRIC PROPERTIES OF TiO<sub>2</sub>-Nb<sub>2</sub>O<sub>5</sub> CRYSTALLOGRAPHIC
- TITANIUM NITRIDE**
- ACOUSTIC EMISSION AND PRECISION FORCE-DISPLACEMENT ANNEALING OF TITANIUM-TITANIUM NITRIDE IN CONTACT HOLE ATMOSPHERIC PRESSURE CHEMICAL VAPOUR DEPOSITION OF TiN CHARACTERISTICS OF TITANIUM NITRIDE FILMS GROWN BY COATED FEMORAL STEM PROSTHESIS COATED GOLF CLUB AND APPARATUS AND METHOD FOR THE DEVICE AND MANUFACTURING METHOD FOR A FERROELECTRIC DIAMOND COMPOSITE FILMS FOR PROTECTIVE COATINGS ON DIFFRACTION ANALYSIS OF NONUNIFORM STRESSES IN SURFACE EFFECT OF SUBSTRATE BIAS VOLTAGE ON THE PROPERTIES OF EFFECTS OF ADDITIVES ON THE SYNTHESIS OF TITANIUM EVALUATION OF NOVEL REFRACTORY MATERIALS FOR THE FATIGUE PROPERTIES OF STEEL COATED WITH TiN BY A PVD FERROELECTRIC INTEGRATED CIRCUIT FIVE- AND SIX-COORDINATE PRECURSORS FOR TITANIUM GROWTH AND ELECTRONIC PROPERTIES OF EPITAXIAL TiN THIN HARDNESS OF TITANIUM NITRIDE COATINGS FABRICATED BY HEMISPHERICAL GRAINED SILICON ON REFRACTORY METAL INFLUENCE OF THE DISPERSANTS IN GELCASTING OF INTEGRATED CIRCUIT WITH A TITANIUM NITRIDE CONTACT LIGHT ATTENUATING ANTIREFLECTION COATING INCLUDING LIQUID SOLUTION OF TiB<sub>4</sub> IN Bz<sub>2</sub> USED AS A PRECURSOR METHOD FOR DEPOSITING A TITANIUM OR TANTALUM NITRIDE METHOD FOR FABRICATING MOS TRANSISTOR HAVING METHOD FOR FORMING FINE TITANIUM NITRIDE FILM AND METHOD FOR FORMING ORDERED TITANIUM NITRIDE AND METHOD FOR FORMING TiN FILM AND TiN FILM/THIN TiSi<sub>2</sub> METHOD FOR FORMING A WIRING CONDUCTOR IN SEMICONDUCTOR METHOD FOR MAKING A METAL-TO-METAL CAPACITOR METHOD FOR MANUFACTURING A MEDICAL ELECTRODE METHOD FOR SYNTHESIZING TITANIUM NITRIDE WHISKERS METHOD OF FORMING CONDUCTIVE METHOD OF MAKING, AND A DEVICE INCLUDING, A TITANIUM METHOD OF MANUFACTURING CONTACT STRUCTURE USING METHOD OF RELIABLY MANUFACTURING A SEMICONDUCTOR MECHANICAL PROPERTIES OF COMMERCIAL TiN COATINGS NEW GENERATION PVD "PLATTI" COATINGS FOR CUTTING NOVEL PROCESS FOR TITANIUM NITRIDE WHISKER SYNTHESIS OHMIC CONTACT TO n-GaN WITH TiN DIFFUSION BARRIER ON THE DISPERSION OF FINE CERAMIC POWDERS IN POLYMERS PARAMETRIC STUDY OF THE DEPOSITION OF THE TiN THIN PARTICLE-PRECIPITATION-AIDED CHEMICAL VAPOUR PLASMA ENHANCED CHEMICAL VAPOUR DEPOSITION OF TITANIUM POST-TITANIUM NITRIDE MASK ROOM PROGRAMMING METHOD AND PROCESS FOR DEPOSITION OF A Ti/TiN CAP LAYER ON PROCESS FOR FABRICATING INTEGRATING CIRCUITS PROCESS FOR FORMING INTEGRATED CAPACITORS PROCESS FOR PLASMA-ENHANCED ANNEAL OF TITANIUM NITRIDE PROCESS FOR PREPARING SINTERED TITANIUM NITRIDE PROCESS FOR PREPARING TITANIUM NITRIDE SINTERED BODIES PROCESS FOR TITANIUM NITRIDE DEPOSITION USING FIVE- SEMICONDUCTOR DEVICE HAVING A VIA HOLE WITH AN ASPECT SPHERICAL NITRIDE STORAGE CAPACITOR STRUCTURES USING CVD TiN ON STRUCTURAL STUDIES OF TiN/ZrN MULTILAYER COATING STRUCTURE, DENSITY AND PROPERTIES EVOLUTION OF STUDY ON PITTING RESISTANCE OF TiN FILM COATED ON STUDY ON SELF-PROPAGATING HIGH-TEMPERATURE SYNTHESIS SURFACE-COATED CUTTING TOOL SYNTHESIS OF TITANIUM NITRIDE BY A SPARK-DISCHARGE SYNTHESIS OF TITANIUM NITRIDE WHISKERS FROM TiSi<sub>2</sub>/TiN CLAD INTERCONNECT TECHNOLOGY TITANIUM NITRIDE AND MULTILAYERS FORMED BY CHEMICAL TITANIUM NITRIDE FILM-MOCVD METHOD INCORPORATING USE TITANIUM NITRIDE CARBON COATINGS ON GRAPHITE FIBRES TITANIUM-BASED HARD SINTERED ALLOY
- TITANIUM OXIDE**
- CONDUCTIVE COATING OF TITANIUM SUBOXIDE GLASS PRODUCTION METHOD USING ILMENITE I/O PAD ADHESION LAYER FOR A CERAMIC SUBSTRATE PREPARATION AND SIZE CONTROL OF CUBE-SHAPED HYDROUS PREPARATION OF ANATASE TITANIUM DIOXIDE
- TITANIUM OXYNITRIDE**
- INTEGRATED CIRCUIT WITH A TITANIUM NITRIDE CONTACT
- TITANIUM PHOSPHATE**
- SYNTHESIS AND CHARACTERISATION OF A NOVEL LAYERED
- TITANIUM PHOSPHATES**
- POROUS GLASS-CERAMICS WITH BACTERIOSTATIC PROPERTIES
- TITANIUM SILICATE**
- FABRICATION AND CHARACTERISATION OF SOL-GEL TERNARY
- TITANIUM SILICIDE**
- METHOD FOR FORMING ORDERED TITANIUM NITRIDE AND METHOD FOR FORMING TiN FILM AND TiN FILM/THIN TiSi<sub>2</sub> METHOD OF MANUFACTURING CONTACT STRUCTURE USING METHOD OF RELIABLY MANUFACTURING A SEMICONDUCTOR NITROGEN TREATMENT FOR METAL-SILICIDE CONTACT PLASMA ETCH PROCESS AND TiSi<sub>2</sub> SUB LAYERS MADE USING TiSi<sub>2</sub>/TiN CLAD INTERCONNECT TECHNOLOGY
- TITANIUM SILICON CARBIDE**
- BAND STRUCTURE OF CUBIC TiSi<sub>2</sub>(C,N)<sub>x</sub> SOLID SOLUTIONS DAMAGE MECHANISMS AROUND HARDNESS INDENTATIONS IN FINE GRINDING OF TiSiC<sub>2</sub> POWDERS USING ROTARY MICROSTRUCTURE OF TiSiC<sub>2</sub>-BASED CERAMICS OPTIMISATION OF SHS REACTIONS IN THE Ti-Si-C SYSTEM IN SYNTHESIS AND CHARACTERISATION OF A REMARKABLE SYNTHESIS AND PROPERTIES OF THE NEW CERAMIC MATERIAL
- TITANIUM SILICON NITRIDE**
- BAND STRUCTURE OF CUBIC TiSi<sub>2</sub>(C,N)<sub>x</sub> SOLID SOLUTIONS
- TOBERMORITE**
- HYDROTHERMAL TRANSFORMATION OF TOBERMORITE GEL TO 10 MORPHOLOGICAL FORMS OF TOBERMORITE IN HYDROTHERMALLY
- TOOLING MATERIALS**
- ACOUSTIC EMISSION AND PRECISION FORCE-DISPLACEMENT INFLUENCE OF ALLOYING ELEMENTS ON THE CHEMICAL MACHINING CERAMIC WITH ULTRASOUND AND DIAMOND NOVEL ADVANCED ULTRASONIC WELDING POWDERS SYNTHESIS OF TiC IN GEARBOX MANUFACTURE
- TOOLS**
- ALL-CERAMIC DRILL BIT CERAMIC GRINDING TOOL COATED HARD ALLOY TOOL DIAMOND COATED TOOLS AND WEAR PARTS



- FABRICATION OF BRAZABLE IN AIR TOOL INSERTS  
GRINDING AND POLISHING TOOLS FOR OPTICAL GLASSES  
PROCESS FOR MAKING DIAMOND COATED TOOLS AND WEAR PARTS  
WEAR-RESISTANT TOOLS
- TOPAZ**  
PHASE DIAGRAM FOR THE SiF<sub>4</sub> JOIN IN THE SYSTEM
- TOPOLOGY**  
ATOMIC FORCE MICROSCOPY OF HEAVY METAL FLUORIDE  
PROCESS FOR PREPARING A SEEDED HIGH-SILICA ZEOLITE
- TOUGHNESS**  
CERAMIC MATRIX COMPOSITES USING STRENGTHENING AGENTS  
METHOD FOR IMPROVING THE TOUGHNESS OF SILICON CARBIDE  
METHODS FOR PREPARATION OF TETRAGONAL ZIRCONIA  
POLYCRYSTALLINE DIAMOND TOOL AND METHOD FOR PRODUCING  
SINTERED HIGH-TOUGHNESS ALUMINA-BASED COMPOSITE BODY  
STAR GELS, NEW HYBRID NETWORK MATERIALS FROM  
TOUGHENING HOLLOW GLASS: A STEP AHEAD
- TOXICITY**  
CHEMICAL ASPECTS IN THE TOXICITY OF MINERAL DUSTS AND  
CLINICAL AND EXPERIMENTAL EXPERIENCES ON THE LUNG  
CONTRIBUTION OF EPIDEMIOLOGY TO THE STUDY OF  
HEAVY METAL IONS IN GLASS AND RELATED LEGISLATION  
HUMAN HEALTH HAZARDS OF DUSTS AND FIBRES  
INTERACTIONS BETWEEN FIBRES AND BIOLOGICAL  
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SURFACE REACTIVITY OF INORGANIC COMPOUNDS AND
- TRADE**  
FRENCH HOLLOW GLASS INDUSTRY  
SITUATION OF THE CONTAINER AND TABLEWARE GLASS
- TRADITIONAL CERAMICS**  
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FRACTURE TOUGHNESS OF TRADITIONAL CERAMIC MATERIALS: A  
INDIA REACHES FOR "CERAMIC AGE"  
SLIP CASTING IN THE TRADITIONAL CERAMICS INDUSTRY
- TRAINING**  
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GETTING THE MOST FROM MASON TRAINING PROGRAMMES  
HOW MASONRY CAMP BENEFITS DESIGNERS  
OPERATING FORKLIFTS SAFELY
- TRANSDUCERS**  
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ELECTROSTATIC ULTRASONIC TRANSDUCER  
HIGH-DENSITY INTEGRATED ULTRASONIC PHASED ARRAY  
PROCESS FOR FORMING VERTICAL GAP IN A THIN FILM  
SEMICONDUCTOR PIEZOELECTRIC STRAIN MEASURING  
SIMULATION OF THE DYNAMICAL BEHAVIOUR OF 1-3  
SONIC OR ULTRASONIC TRANSDUCER  
SOUND WAVE VELOCITY AND TAWFR PERCENTAGE OF Nb-DOPED  
SURFACE ACOUSTIC WAVE FILTER WITH AN OPTIMIZING  
TEMPERATURE-COMPENSATED SILICON CARBIDE PRESSURE
- TRANSFERS**  
MANUFACTURING METHOD OF ELECTRIC CHARGE TRANSFERRING  
METHOD AND FURNACE FOR BENDING GLASS SHEETS IN A  
TRANSFER DEVICE FOR BENT GLASS SHEETS  
TRANSFER PAPER: A HIDDEN TECHNOLOGY
- TRANSFORMATION**  
BEHAVIOUR OF NICKEL ALUMINATE SPINEL UNDER REDUCING  
PHOTOSTRUCTURAL TRANSFORMATION OF CHALCOGENIDE GLASSES  
PROPAGATION OF A THERMAL INSTABILITY IN HIGH-TO  
TG/GCMS STUDY OF THE STRUCTURAL TRANSFORMATION OF
- TRANSFORMATION TIGHTENING**  
DENSE ZIRCONIA-SiC PLATELET COMPOSITES MADE BY  
HIGH-STRENGTH Mg-PSZ OF FINE GRAINS CONTAINING TiC  
HIGH-TOUGHNESS BaC-AB12 COMPOSITES PREPARED BY AI  
INFLUENCE OF REDUCING CONDITIONS ON THE MECHANICAL  
MICROSTRUCTURAL DESIGN AND MECHANICAL PROPERTIES OF A  
PREPARATION OF HIGH-STRENGTH (Mg,Y)-PARTIALLY  
STUDIES OF THE MECHANICAL PROPERTIES OF
- TRANSISTORS**  
ALUMINUM GALLIUM NITRIDE BASED HETEROJUNCTION BIPOLAR  
AUTODOPING PREVENTION AND OXIDE LAYER FORMATION  
BASE DESIGN FOR Pnp InAlAs-InGaAs HETEROJUNCTION  
BIPOLAR TRANSISTOR HAVING THIN INTRINSIC BASE WITH LOW  
CMOS MEMORY CELL WITH TUNNELING DURING PROGRAM AND  
CMOS TRANSISTOR WITH TWO-LAYER INVERSE-TUNGSTEN GATE  
COMPLEMENTARY SEMICONDUCTOR DEVICE OF DUAL GATE  
CONSTANT-RESISTANCE DLTS IN SUBMICRON MOSFETS  
CORRECTIONS TO THE CALCULATION OF BULK ELECTRON  
EXPERIMENTAL STUDY ON LOW FREQUENCY NOISE OF VARIOUS  
FIELD EFFECT TRANSISTOR INCLUDING SILICON OXIDE FILM  
FORMING BY-Xc SEMICONDUCTOR FILMS BY CHEMICAL VAPOUR  
GAS MULTIPLEXERS FOR VLWIR DETECTOR READOUT BELOW 10  
GENERATOR MOTOR FOR VEHICLES  
HETEROJUNCTION BIPOLAR TRANSISTOR  
HETEROJUNCTION TYPE BIPOLAR TRANSISTOR  
HIGH BREAKDOWN VOLTAGE SILICON CARBIDE TRANSISTOR  
HIGH CURRENT GAIN In<sub>0.53</sub>Ga<sub>0.47</sub>P/GaAs  
HIGH-DENSITY ELECTRICAL CERAMIC OXIDE CAPACITOR  
HIGH-SPEED DOUBLE-HETEROSTRUCTURE BIPOLAR TRANSISTOR  
INSULATED GATE FIELD EFFECT TRANSISTOR WITH AN ANODIC  
LATERAL SILICON CARBIDE TRANSISTOR  
METHOD AND APPARATUS FOR DERIVING TOTAL LATERAL  
METHOD AND APPARATUS FOR SOI TRANSISTOR  
METHOD FOR FABRICATING COMPLEMENTARY VERTICAL BIPOLAR  
METHOD FOR FABRICATING MOS TRANSISTOR HAVING  
METHOD FOR FABRICATING A POLYSILICON TRANSISTOR HAVING  
METHOD FOR FORMING HETEROJUNCTION BIPOLEAR TRANSISTORS  
METHOD FOR MAKING DUAL GATE INSULATING FILM WITHOUT  
METHOD FOR MANUFACTURING MOS TRANSISTOR OF HIGH  
METHOD FOR MANUFACTURING SEMICONDUCTOR DEVICE  
METHOD FOR MANUFACTURING ULTRAHIGH SPEED BIPOLAR  
METHOD FOR PRODUCING MOS TRANSISTORS AND BIPOLAR  
METHOD FOR PRODUCING SEMICONDUCTOR DEVICE  
METHOD OF DEPOSITING THIN NITRIDE LAYER ON GATE OXIDE  
METHOD OF FABRICATING HIGH THRESHOLD METAL OXIDE  
METHOD OF FABRICATING A SELF-ALIGNED CONTACT TRENCH  
METHOD OF FABRICATING A TIT-EL POX  
METHOD OF FABRICATING A THIN-FILM TRANSISTOR  
METHOD OF FABRICATING VERTICAL-TYPE DOUBLE DIFFUSED  
METHOD OF FORMING SILICON/SILICON-GERMANIUM  
METHOD OF MAKING COMBINED JFET & MOS TRANSISTOR DEVICE  
METHOD OF MAKING METAL OXIDE SEMICONDUCTOR TRANSISTORS  
METHOD OF MAKING MOS TRANSISTOR WITH CONTROLLED  
METHOD OF MAKING A SEMICONDUCTOR DEVICE HAVING  
METHOD OF MAKING SEMICONDUCTOR DEVICE HAVING THIN FILM  
METHOD OF MANUFACTURE OF PULL DOWN TRANSISTOR WITH  
METHOD OF MANUFACTURING AN MOS TRANSISTOR  
METHOD OF MANUFACTURING A BIPOLAR TRANSISTOR OPERATING  
METHOD OF MANUFACTURING FERROELECTRIC CAPACITOR WITH A  
METHOD OF MANUFACTURING HIGH-PERFORMANCE BIPOLAR  
METHOD OF MANUFACTURING A SEMICONDUCTOR HAVING A  
METHOD OF MANUFACTURING THIN FILM TRANSISTOR HAVING A  
MOVCD GROWN AlInAs/InGaAs LOW-PERIOD SUPERLATTICE
- 76-06597P  
76-08165A  
76-09096P  
76-02403P  
76-04336A  
76-07054C  
76-02154P  
76-04847P  
76-04585P  
76-02174P  
76-02398P  
76-06773P  
76-06340C  
76-07246A  
76-04867A  
76-04869A  
76-04874A  
76-02352A  
76-04895A  
76-04901A  
76-08839A  
76-02564A  
76-04933A  
76-07199A  
76-09339A  
76-07366A  
76-02275C  
76-09319A  
76-03773A  
76-05204A  
76-00334A  
76-02736A  
76-06897A  
76-00997P  
76-05541P  
76-07987P  
76-05746P  
76-07858P  
76-05584A  
76-03462P  
76-03438A  
76-05720P  
76-00873P  
76-06826P  
76-05065P  
76-03824P  
76-05322A  
76-05337C  
76-07148C  
76-05116P  
76-05191C  
76-08866A  
76-01946A  
76-08904A  
76-04127C  
76-04139C  
76-08561A  
76-09271A  
76-05531P  
76-07729P  
76-03152C  
76-07731P  
76-07735P  
76-05533P  
76-05216P  
76-03163C  
76-03164A  
76-03190C  
76-00829P  
76-07442P  
76-03198C  
76-01800P  
76-00832P  
76-00833P  
76-00834P  
76-03205C  
76-00835P  
76-05493P  
76-07747P  
76-05525P  
76-07757P  
76-05554P  
76-05557P  
76-05559P  
76-07761P  
76-05565P  
76-07495P  
76-07776P  
76-05569P  
76-07780P  
76-06571P  
76-07783P  
76-07786P  
76-05576P  
76-07790P  
76-02116P  
76-03327P  
76-00845P  
76-06668P  
76-05583P  
76-07805P  
76-07805P  
76-03331P  
76-07808P  
76-05588P  
76-07809P  
76-07833P  
76-03458P  
76-03333P  
76-03334P  
76-07816P  
76-03243C
- MOS TRANSISTOR HAVING A COMPOSITE GATE ELECTRODE AND  
MOS TRANSISTOR WITH AN OPTICAL RECTIFICATION  
MULTIPLE NEGATIVE-DIFFERENTIAL-RESISTANCE (MNDR) OF A  
MULTISTEP CHEMICAL VAPOUR DEPOSITION METHOD FOR  
NITRIDE ENCAPSULATED THIN FILM TRANSISTOR FABRICATION  
N-MOS TRANSISTOR AS A LOW-TEMPERATURE THERMOMETER  
OXIDE SUPERCONDUCTING TRANSISTOR IN CRANK-SHAPED  
PROCESS FOR FABRICATING METAL-OXIDE SEMICONDUCTOR  
PROCESS FOR MANUFACTURING INTEGRATED CIRCUIT WITH  
PROCESS OF MANUFACTURING A SEMICONDUCTOR DEVICE  
SEMICONDUCTOR DEVICE AND METHOD FOR FORMING THE SAME  
SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE  
SEMICONDUCTOR DEVICE AND PROCESS FOR FABRICATING THE  
SEMICONDUCTOR DEVICE HAVING AN SOI STRUCTURE  
SEMICONDUCTOR MEMORY AND SEMICONDUCTOR DEVICE HAVING  
SEMICONDUCTOR PROCESSING METHOD OF FORMING A STATIC  
SIGNAL SENSING CIRCUITS FOR MEMORY SYSTEM USING  
SILICON CARBIDE STATIC INDUCTION TRANSISTOR  
SINGLE BIT ERASE FLASH EEPROM  
SPACER-TYPE THIN-FILM POLYSILICON TRANSISTOR FOR  
STRUCTURE OF A HIGH VOLTAGE TRANSISTOR IN A  
THIN POLYSILICON DOPING BY DIFFUSION FROM A DOPED  
TRENCH ISOLATION METHOD FOR CMOS TRANSISTOR  
TRENCHED DMOS TRANSISTOR FABRICATION HAVING THICK  
UNCOOLED YBaCuO THIN FILM INFRARED DETECTOR  
USE OF DC BIAS FOR ENHANCING THE PERFORMANCE OF  
VERTICAL TRANSISTOR WITH HIGH-DENSITY DRAM CELL AND
- 76-06596P  
76-03250A  
76-03252C  
76-02135P  
76-06701P  
76-03556C  
76-01120P  
76-06603P  
76-06604P  
76-07836P  
76-03345P  
76-05624P  
76-07844P  
76-05613P  
76-05619P  
76-07859P  
76-07864P  
76-05625P  
76-07865P  
76-05628P  
76-07866P  
76-05630P  
76-05633P  
76-05634P  
76-03345P  
76-03300C  
76-02192P
- TRANSITION**  
CHARACTERISATION OF NEAR-EDGE OPTICAL TRANSITIONS IN  
COEXISTENCE OF SHALLOW AND LOCALISED DONOR CENTRES IN  
CW LASER OSCILLATION ON BOTH THE sup4 F sub3/2 - sup4 I  
DEPTH PROFILE OF THE EXCITONIC LUMINESCENCE IN GALLIUM  
OBSERVATION OF NEAR BAND EDGE TRANSITION IN ALUMINIUM  
ON THE NATURE OF AMORPHOUS-TO-AMORPHOUS AND  
PHOTOLUMINESCENCE EXCITATION STUDIES OF THE OPTICAL  
SOME POSSIBLE EFFECTS OF PERIODIC PINNING IN HIGH TO  
SPIN RESONANCE INVESTIGATIONS OF GaN AND AlGaN  
STRAIN EFFECTS ON EXCITONIC TRANSITIONS IN GaN  
SUPERCONDUCTING TRANSITION BEHAVIOUR OF  
VARIATION OF GaN VALENCE BANDS WITH BIAXIAL STRESS:
- TRANSITION METAL**  
VANADIUM-OXIDE-BASED HYBRID ORGANIC-INORGANIC COPOLYMERS
- TRANSITION METAL OXIDES**  
LOW-TEMPERATURE DECOMPOSITION OF HYDRATED TRANSITION  
METHOD OF PURIFICATION OF ORGANIC-CONTAINING WASTES
- TRANSITION METALS**  
EFFECT OF TRANSITION METAL CODOPING ON BROAD BAND  
ELECTROCHEMICAL ALKALI METAL CELL AND PROCESS FOR ITS  
PREPARATION OF METAL CARBIDE CATALYST SUPPORTED ON  
TRANSITION METAL-CONTAINING HYDROPHOBIC SILICA
- TRANSITIONS**  
DEFECT TRANSITIONS IN GaN BETWEEN 3.0 AND 3.4 eV  
FREE AND BOUND EXCITONS IN GaN EPITAXIAL FILMS
- TRANSLUCENCY**  
MEASUREMENT OF TRANSLUCENCY OF PORCELAIN BODIES  
METHOD AND APPARATUS FOR THE MEASUREMENT OF  
METHOD OF MAKING A TRANSLUCENT POLYCRYSTALLINE ALUMINA  
TRANSLUCENCY OF HIGH-SILICA PORCELAIN BODIES  
TRANSLUCENT POLYCRYSTALLINE ALUMINA  
TRANSLUCENT POLYCRYSTALLINE ALUMINA AND METHOD OF
- TRANSPARENCY**  
IN-PLANE OPTICAL ANISOTROPIES OF Al<sub>x</sub>Ga<sub>1-x</sub> FILMS IN  
TRANSPARENT CERAMICS  
ANGULAR DIAMOND BODIES  
BASE FILM HAVING DIMENSIONAL STABILITY AND HIGH  
BOROSILICATE GLASS HAVING IMPROVED UV TRANSMISSION  
CHEMICAL DESIGN OF TRANSPARENT CONDUCTING OXIDES  
DEVELOPMENT OF SINTERING TECHNOLOGY ON ITO  
ELECTRICALLY CONDUCTIVE TRANSPARENT TIN OXIDE  
LITHIUM-NIOBATE FERROELECTRIC MATERIAL OBTAINED BY  
LOW EXPANSION TRANSPARENT GLASS-CERAMIC  
METHOD FOR PRODUCING CARBON NITRIDE FILMS  
METHOD FOR PRODUCING A TRANSPARENT CONDUCTIVE ZnO FILM  
METHOD FOR THE MANUFACTURE OF PORCELAIN  
METHOD OF MAKING A VACUUM-TIGHT SEAL BETWEEN A CERAMIC  
MULTILAYERED CONDUCTIVE FILM, AND TRANSPARENT  
OXYNITRIDE GLASS, METHOD OF PREPARING THE SAME AND  
PREPARATION OF TRANSPARENT AND CONDUCTIVE ZnO THIN  
PROCESS FOR PRODUCING TRANSPARENT CARBON NITRIDE FILMS  
PROCESS FOR PRODUCTION OF TRANSPARENT QUARTZ  
TIN OXIDE BASED CONDUCTIVE POWDERS AND COATINGS  
TRANSPARENT CARBON NITRIDE FILMS AND COMPOSITIONS OF  
TRANSPARENT CONDUCTIVE CERAMIC THIN FILMS -  
TRANSPARENT CONDUCTORS COMPRISING ZINC-INDIUM-OXIDE  
TRANSPARENT ELECTROCONDUCTIVE SUBSTRATE AND METHOD  
TRANSPARENT GLASS-CERAMICS  
TRANSPARENT MULLITE CERAMICS FROM DIPHASIC AEROGELS BY  
WAVELENGTH UP-CONVERSION TRANSPARENT GLASS-CERAMICS
- 76-07541C  
76-07546C  
76-07118C  
76-07559C  
76-07562C  
76-06305A  
76-07671C  
76-03605A  
76-07689C  
76-07689C  
76-03614A  
76-07722C  
76-06544C  
76-03961A  
76-09142P  
76-07121C  
76-09000P  
76-04639P  
76-04681P  
76-07555C  
76-07584C  
76-03003A  
76-03876P  
76-06678P  
76-06346A  
76-04682P  
76-06787P  
76-07613C  
76-02228P  
76-05349P  
76-00269P  
76-03039A  
76-03046A  
76-06833P  
76-03399A  
76-02679P  
76-09047P  
76-02110P  
76-06745P  
76-00176P  
76-07514P  
76-02689P  
76-06500A  
76-07263P  
76-04223P  
76-04683P  
76-03113A  
76-05370P  
76-06319P  
76-00315P  
76-06180A  
76-00237P  
76-06408C  
76-03025P  
76-06436C  
76-04578P  
76-06483C  
76-06486C  
76-06488P  
76-06542C  
76-02197A  
76-07532C  
76-08029A  
76-07618C  
76-08035A  
76-08468C  
76-09148C  
76-07426C  
76-03399A  
76-03190A  
76-06427C  
76-09154C  
76-03547A  
76-06549A  
76-03231A  
76-05724A  
76-07442C  
76-01072A  
76-03247A  
76-03248A  
76-03249A  
76-03254C  
76-08544C  
76-06477C  
76-09160C  
76-09161C

- OXYGEN TRANSPORT THROUGH DENSE PEROVSKITE-TYPE PERFORMANCE OF PIP Zr(V)-PAA MEMBRANES IN PHASE RELATED OXYGEN PERMEATION THROUGH Sr-DOPED POLARONIC TRANSPORT IN VANADIUM PHOSPHATE GLASSES PREPARATION AND TRANSPORT PROPERTIES OF CERAMIC SEGREGATION AND TRANSPORT OF ALKALI AND ADDITIVE SELECTIVE SODIUM REMOVAL FROM RADIOACTIVE WASTE STABLE HIGH CONDUCTIVITY FUNCTIONALLY GRADIENT STRUCTURE AND MAGNETOTRANSPORT PROPERTIES OF THE SURFACE DIFFUSION: IS IT AN IMPORTANT TRANSPORT SURFACE MODIFICATIONS OF DENSE  $\text{SrCo}_{0.8}\text{Fe}_{0.2}\text{O}_{3-\delta}$  DELTA TRANSPARENT, CONDUCTING, AMORPHOUS OXIDES: EFFECT OF TRANSPORT AND MAGNETIC PROPERTIES OF CHEMICALLY TRANSPORT PROPERTIES OF TITANIUM-DOPED ALPHA-ALUMINA: WIDE BAND GAP SEMICONDUCTORS FOR COLD CATHODES: A
- TRANSPORTATION**  
SOME SMALL-SCALE HIGH-TEMPERATURE SUPERCONDUCTING TRAPS  
CONSTANT-RESISTANCE DLTS IN SUBMICRON MOSFETS  
STUDY OF TRAPS IN GaN BY THERMALLY STIMULATED CURRENT
- TRIBOLOGICAL**  
TRIBOLOGICAL INVESTIGATIONS AND STRUCTURAL TRIBOLOGICAL PROPERTIES  
ABRASIVE AND THERMAL PROPERTIES OF  $\text{Al}_2\text{O}_3\text{-C-203}$  SOLID BEHAVIOUR IN THE FRICTION SURFACE OF CERAMICS COMPOSITE CERAMIC COATINGS FOR SELF-LUBRICATING COMPRESSIVE AND TRIBOLOGICAL PROPERTIES OF  $\text{Al}_2\text{O}_3$  FIBRE ENVIRONMENTAL EFFECTS ON TRIBOLOGICAL PROPERTIES OF GRAIN-SIZE DEPENDENCE OF SLIDING WEAR IN TETRAHEDRAL HIERARCHY OF MICROMECHANICAL INFLUENCES ON FRICTION IMPROVED TRIBOLOGICAL PROPERTIES OF  $\text{Al}_2\text{O}_3$  CERAMICS DUE INFLUENCE OF LUBRICATION ON TRIBOLOGICAL PROPERTIES OF MECHANICAL AND TRIBOLOGICAL PROPERTIES OF METAL MARKING BEHAVIOUR OF STONEWARE GLAZES MICROSTRUCTURE AND TRIBOLOGICAL BEHAVIOUR OF ALUMINA MICROSTRUCTURE AND TRIBOLOGICAL CHARACTERISTICS OF NEW APPROACH OF ZIRCONIA WEAR SLIDING WEAR OF  $\text{Al}_2\text{O}_3\text{-SiC-(Al}_2\text{Si)}_2$  COMPOSITES AGAINST A TRIBOELECTROMAGNETISM OF CERAMICS TRIBOLOGICAL BEHAVIOURS OF CHROMIUM CARBIDE COATINGS TRIBOLOGICAL CHARACTERISTICS OF DIAMOND-LIKE CARBON TRIBOLOGICAL PROPERTIES OF CLAY-BONDED  $\text{Al}_2\text{O}_3$  SIC TRIBOLOGICAL PROPERTIES OF OIL-RETAINING POROUS TRIBOLOGY OF ALUMINA-GRAPHITE COMPOSITES WEAR BEHAVIOUR OF  $\text{Al}_2\text{O}_3\text{-TiCN}$  COMPOSITE CERAMIC SLIDING WEAR MAPS OF CERAMICS ZIRCONIA: A NEW ROLLER BEARING MATERIAL?
- TRIBOLOGY**  
COMPARISON OF WALKWAY SAFETY TRIBOMETERS, PT2 TRIBOLOGICAL PROPERTIES OF REACTION-BONDED
- TUBES**  
ELECTRIC MELTING DEVICE GLASS FEEDER HEAT Baffle METHOD OF MAKING A CONTINUOUS CERAMIC FIBRE-REINFORCED SINGLE MODE OPTICAL TRANSMISSION FIBRE, AND METHOD OF SOUND INHIBITOR Baffles
- TUNDISHES**  
APPLICATION OF SLIDE GATE PLATE FOR TUNDISH FORMED BY APPLICATION TECHNOLOGY OF MONOLITHIC REFRACTORIES IN APPROPRIATE MATERIAL FOR DAMS AND WEIRS - TATA STEEL'S EXPERIENCES OF DIFFERENT TUNDISH LINING MATERIALS IN IMPROVEMENT OF TUNDISH INNER LINING REFRACTORY IMPROVEMENTS IN TUNDISH SLIDING NOZZLE PLATES FOR HIGH INTEGRATION OF TUNDISH REPAIR YARD LIGHTWEIGHT SPRAYABLE TUNDISH LINING COMPOSITION REFRACTORIES TECHNOLOGY FOR CONTINUOUS RECYCLE STUDIES ON MICROSTRUCTURE OF THE USED INSULATING BOARD WET GUNNING MACHINES FOR APPLYING TUNDISH COATINGS
- TUNGSTEN**  
ALUMINIUM NITRIDE BODY HAVING GRADED METALLURGY CATALYST AND METHOD FOR DENSIFICATION OF NITROGEN CMOS TRANSISTOR WITH TWO-LAYER INVERSE-T TUNGSTEN GATE COATED FILAMENTS DEPOSITION OF AlN ON  $\text{WS}_2(0001)$  SUBSTRATE BY ATOMIC DIELECTRIC CERAMIC METHOD FOR MAKING EFFECTS OF OXIDE ADDITIVES ON SHEET RESISTANCE OF W ELECTRICAL PROPERTIES OF METAL-DIAMOND-LIKE FORMATION OF POLYSILICON RESISTORS IN THE TUNGSTEN GROUP IVB BASED MATERIALS GROUP IVB BORIDE BASED ARTICLES, ARTICLES, CUTTING INTEGRATED Ti-W POLYCIDES FOR DEEP SUBMICRON PROCESSING  $\text{InxGa}_{1-x}\text{As}$  OHMIC CONTACTS TO n-TYPE GaAs WITH A METHOD AND APPARATUS FOR MAKING HEAT EXCHANGER FINS METHOD FOR MAKING REFRACTORY METAL SILICIDE ELECTRODE METHOD OF MAKING AN ANTIFUSE CELL WITH TUNGSTEN PREVENTION OF FLUORINE-INDUCED GATE OXIDE DEGRADATION RECLAMATION PROCESS FOR TUNGSTEN CARBIDE AND REFRACTORY OXIDE BASED SILVER-TUNGSTEN LEAN  $\text{NO}_x$  SEMICONDUCTOR DEVICE HAVING AN ELECTRICALLY CONDUCTIVE SEMICONDUCTOR DEVICE HAVING A VIA HOLE WITH AN ASPECT
- TUNGSTEN BORIDE**  
MULTIPLE LAYER EROSION-RESISTANT COATING AND A METHOD
- TUNGSTEN CARBIDE**  
BRAZING OF DIAMOND FILM TO TUNGSTEN CARBIDE CARBOTHERMIC REACTION PROCESS FOR MAKING NANOPHASE CEMENTED CARBIDE AND COATED CEMENTED CARBIDE FOR CEMENTED CARBIDE WITH BINDER PHASE ENRICHED SURFACE CEMENTED CERAMIC ARTICLE MADE FROM ULTRAFINE SOLID CEMENTED TUNGSTEN CARBIDE SUBSTRATES HAVING ADHERENT CHARACTERISATIONS OF ULTRAFINE LASER SYNTHESISED WC COATED WC-BASED CEMENTED CARBIDE BLADE MEMBER COMPOSITE POLYCRYSTALLINE DIAMOND CONTACT WITH CORROSION-RESISTANT CERMET WEAR PARTS CROWNED SURFACE WITH PDC LAYER CUTTING TOOL WITH COATING OF BORON CARBIDE OR TUNGSTEN ELEMENTS FACED WITH SUPERHARD MATERIAL ELEMENTS FACED WITH SUPERHARD MATERIALS HIGH-PERFORMANCE CERAMIC COMPOSITES CONTAINING LAYERED COMPOSITE CARBIDE PRODUCT AND METHOD OF LOW FRICTION FLUTE TUNGSTEN CARBON MICRODRILL MATRIX FOR A HARD COMPOSITE METHOD FOR FORMING CHROMIUM CARBIDE BASED CERAMICS METHODS FOR MAKING WC-CONTAINING BOBIES MONOLITHIC SELF-SHARPENING ROTARY DRILL BIT HAVING MULTILAYER COATED HARD ALLOY CUTTING TOOL NANODYNE ADVANCES ULTRAFINE WC-Co POWDERS NEW DESIGN OF TUNGSTEN CARBIDE TOOLS WITH DIAMOND RECLAMATION PROCESS FOR TUNGSTEN CARBIDE AND SYNTHESIS AND STRUCTURAL EVOLUTION OF TUNGSTEN CARBIDE TITANIUM CARBONITRIDE COATED STRATIFIED SUBSTRATE AND
- 76-09162C  
76-04308C  
76-09163C  
76-05145A  
76-08933A  
76-05441C  
76-08117C  
76-07463C  
76-05603C  
76-01550A  
76-09164C  
76-07467A  
76-01091A  
76-09069A  
76-07724C  
76-03606A  
76-03163C  
76-07709C  
76-01789C  
76-04950A  
76-06825A  
76-01092C  
76-02450A  
76-06837A  
76-04116A  
76-08054C  
76-04124C  
76-08682A  
76-00110A  
76-07382A  
76-08633C  
76-08534A  
76-04844A  
76-07027A  
76-06871A  
76-04845A  
76-02309A  
76-08633C  
76-04301A  
76-06872A  
76-07034A  
76-06874A  
76-06813A  
76-08265A  
76-09275A  
76-03909P  
76-03808P  
76-04807P  
76-04669P  
76-04220P  
76-00387A  
76-00278P  
76-00394C  
76-00411C  
76-00462C  
76-02882A  
76-00467P  
76-06303P  
76-00512C  
76-07347A  
76-05905A  
76-00146P  
76-00147P  
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76-05533P  
76-04540P  
76-07558C  
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76-03185A  
76-03127P  
76-02397P  
76-06294P  
76-05550P  
76-03232A  
76-04313P  
76-07717P  
76-08875A  
76-09083P  
76-06823P  
76-02969P  
76-05612P  
76-03348P  
76-09080P  
76-00149P  
76-00150P  
76-08978P  
76-08978P  
76-04532P  
76-02052P  
76-05979C  
76-08968P  
76-08864P  
76-05087P  
76-07038P  
76-08749P  
76-07039P  
76-04960P  
76-06283P  
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76-04575P  
76-04580P  
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76-05212A  
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76-02343A  
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GRAIN-BOUNDARY SLIDING IN FLUORINE-DOPED SILICON  
RHEOLOGICAL PROPERTIES OF CONCENTRATED, NONAQUEOUS  
SOLID-STATE-SINTERED SILICON CARBIDE BY WATER-BASED  
THEORETICAL MODEL FOR VISCOELASTIC SLIDING OF  
TOUGHENING HOLLOW GLASS: A STEP AHEAD  
VISCOELASTIC CONSTANTS OF A SODA-LIME-SILICA GLASS  
76-06874A  
76-04396A  
76-05900C  
76-09273A  
76-07246A  
76-02631A
- VISCOSITY**  
GLASS CONDITIONING BY VISCOSITY CONTROL  
RHEOLOGY IN THE TECHNOLOGY OF CERAMICS AND  
76-02647A  
76-06312A
- VISCOSITY**  
CERAMIC FIBRES, AND METHODS, MACHINES, AND  
CHARACTERISATION AND MODELLING OF THIXOTROPIC SYSTEMS  
DETERMINATION OF THE MECHANICAL RESPONSE OF SINTERING  
DOPED QUARTZ GLASS, AND ENCLOSURES FOR ELECTRICAL  
EFFECT OF TEMPERATURE ON CHARACTERISTICS OF ALUMINA  
EVALUATION OF CRITICAL COOLING RATE FOR  
EXTENSIONS OF POLYACRYLIC ACID AMMONIUM SALTS IN THE  
INFLUENCE OF POWDER CHARACTERISTICS AND ORBETAN  
NEW APPROACH TO THE EFFECTIVE VISCOSITY OF SUSPENSIONS  
ON THE DIFFERENT DESCRIPTIONS OF THE NON-NEWTONIAN  
OPTIMISATION OF DISPERSION AND VISCOSITY OF A CERAMIC  
PROCESS FOR PREPARING TEXTURED CERAMIC COMPOSITES  
RELATION BETWEEN LOCAL STRUCTURE AND FRAGILITY OF LEAD  
SEMICONDUCTOR DEVICE AND PROCESS  
SILICON NITRIDE POWDER  
SQUEEZE CEMENTING COMPOSITION  
VISCOSITY, CONFIGURATIONAL ENTROPY, AND RELAXATION  
MEASUREMENT OF HALIDE MELTS  
VISCOSUS SHEAR THINNING DURING GLASS FORMING  
76-06558P  
76-06294C  
76-09219A  
76-00224P  
76-01829C  
76-00248A  
76-01876A  
76-05906C  
76-01880A  
76-00259A  
76-08836A  
76-09105P  
76-07158A  
76-06366P  
76-02483P  
76-02632A  
76-07171C  
76-02668B
- VITREOUS**  
ONE FIRING OF TWO-COAT ENAMEL  
76-01258A
- VITREOUS ENAMELS**  
ANALYSIS OF THE TECHNICAL AND ECONOMIC COMPONENTS OF  
CHARACTERISATION OF MECHANICAL AND THERMOMECHANICAL  
COMPUTATION OF ENAMEL BEHAVIOUR WITH COMPLEX  
CORRELATION BETWEEN MECHANICAL AND THERMAL PROPERTIES  
DEVELOPMENT OF CONVEYOR SYSTEMS IN ENAMELLING WORKS  
EFFECT OF METALLURGICAL SLAGS ON THE COHESIVE STRENGTH  
EFFECT OF THE STEEL SUBSTRATE ON THE COMPOSITION OF  
ENAMEL FOR CAST IRON  
76-06989A  
76-05043A  
76-06368C  
76-06992A  
76-08139A  
76-05049A  
76-06998A  
76-00095A



ENAMELLED HEATING ELEMENTS FOR REGENERATIVE AIR OR GAS EVOLUTION OF THE 2 COAT/1 FIRE WET/DRY APPLICATION EXPERIENCES WITH THE CHANGE OF WET APPLICATION TO FIRING FURNACES - WHERE NEXT?  
GLASSING IN HEATING OF GLASS ENAMEL FRIT  
GLASS ENAMELS IN THE ELECTRONICS INDUSTRY (REVIEW)  
GLASS FLUX COMPOSITION  
GRAPHIC-ANALYTICAL MODEL FOR PREDICTING THE UNIFORMITY HETEROGENEISATION AS A METHOD TO IMPROVE PROPERTIES OF PHOSPHATING - A NEW PROCESS FOR DIRECT-ON WHITE  
PHYSICAL PROPERTIES OF GRATE ENAMEL SYSTEMS  
PLANE VIEW OF ENAMEL ADHERENCE LAYER ON STEEL  
PORCELAIN ENAMEL CHALLENGE: DARE TO COMPARE  
PROPERTIES OF A SINGLE-LAYER GLASS-ENAMEL COATING IN REPRODUCIBILITY OF THE CONTACT ANGLE OF ENAMEL ON SYNTHESIS AND DILATOMETRIC INVESTIGATION OF USE OF SECONDARY RESOURCES FOR INCREASING THE CHEMICAL USE OF SPENT CATALYSTS FOR SYNTHESIS OF UNDERCOAT

## VITRIFICATION

APPARATUS FOR VITRIFICATION OF HAZARDOUS WASTE  
CERAMIC APPLICATIONS IN THE NUCLEAR INDUSTRY  
DISPOSING OF THIS COUNTRY'S WASTE IN SOUTH CAROLINA  
ESTIMATING THE ALTERATION KINETICS OF THE FRENCH GLASS-MELTING METHOD  
HIGH-LEVEL RADIOACTIVE WASTE VITRIFICATION IN FRANCE: METHOD AND APPARATUS FOR WASTE VITRIFICATION  
METHOD FOR WASTE FOR VITRIFICATION  
PLASMA VITRIFICATION OF WASTE MATERIALS  
PREPARATION OF VITREOUS MULTICOMPONENT FLUORIDE PROCESS FOR IMMOBILIZING PLUTONIUM INTO VITREOUS  
SILLIMANITE SAND-FELDSPAR PORCELAINS, PT.1  
TECHNOLOGICAL COATINGS FOR PROTECTING HEATED TITANIUM  
VITRIFICATION AND CRYSTALLISATION OF GLASSES IN THE VITRIFICATION OF ORGANIC-CONTAINING WASTES  
VITRIFICATION: TURNING UP THE HEAT ON FLY ASH  
WASTE VITRIFICATION MELTER

## VOLTAGE

BIDIRECTIONAL BLOCKING ACCUMULATION-MODE TRENCH POWER CERAMIC MOTOR  
CHARACTERISATION OF A 100 nm CLASS MOLYBEN CARBONATE CHARACTERISATION OF REACTIVE ION ETCHING-INDUCED CMOS BIDIRECTIONAL DIFFERENTIAL LINK  
CMOS MEMORY CELL WITH TUNNELING DURING PROGRAM AND DEVICE FOR GENERATING SOUND IMPULSES FOR MEDICAL  
ELECTRIC CERAMIC COMPOSITION  
ELECTRIC-POLYSILOXANE-DIELECTRIC ANTIFUSE FOR FIELD DIGITAL LOGIC OUTPUT BUFFER INTERFACE FOR DIFFERENT ELECTRODEPOSITION PROCESS FOR FORMING SUPERCONDUCTING ELECTROSTATIC DISCHARGE PROTECTION STRUCTURE FOR FLUORESCENT-LAMP EXCITATION CIRCUIT USING A GaAs-InGaP SWITCH PERFORMING MULTIPLE NEGATIVE-GENERATOR MOTOR FOR VEHICLES  
HIGH BREAKDOWN VOLTAGE SILICON CARBIDE TRANSISTOR  
HIGH-Q MULTILAYER CERAMIC RF TRANSMISSION LINE  
HIGH-TEMPERATURE SUPERCONDUCTING THIN-FILM  
IMPACT OF FLOATING-BODY-INDUCED PARASITIC BIPOLAR INK DROPLET JET DEVICE HAVING SEGMENTED PIEZOELECTRIC LATERAL SILICON CARBIDE TRANSISTOR  
LIFE OF INTERNAL REFORMER FOR MFC  
LOW CAPACITANCE AND LOW V<sub>th</sub> ANNUAL MOSFET DESIGN METALORGANIC CHEMICAL VAPOUR DEPOSITION-GROWN ON METHOD OF FORMING OXIDE FILM  
METHOD OF MAKING ASYMMETRIC LOW POWER MOS DEVICES  
METHOD OF MAKING POLY LDO SELF-ALIGNED CHANNEL  
METHOD OF FABRICATING VOLTAGE BREAKDOWN RESISTANT MIXED MODE OUTPUT BUFFER CIRCUIT FOR CMOS  
MODELLING OF BREAKDOWN VOLTAGE OF InPnGaAsP/InGaAs PIEZOELECTRIC CERAMIC TRANSFORMER  
PLZT BASED ELECTROOPTIC PHASE ARRAY OPTICAL SCANNER PROGRAMMABLE SEMICONDUCTOR MEMORY  
SCHOTTKY BARRIER MOSFET SYSTEMS AND FABRICATION  
SIC MOSFET  
THIN-FILM FERROELECTRIC VARIATOR  
TRENCHED CMOS TRANSISTOR FABRICATION HAVING THICK VOLTAGE-DEPENDENT NONLINEAR RESISTOR CERAMICS  
VOLTAGE-DEPENDENT NONLINEAR RESISTOR CERAMICS

## WAFERS

CERAMIC WAFERS AND THIN FILM MAGNETIC HEADS  
INVESTIGATION OF RECOMBINATION PARAMETERS IN SILICON  
LOW-TEMPERATURE P204 OXIDE DIFFUSION SOURCE  
METHOD AND APPARATUS FOR ETCHING TITANATE WITH ORGANIC  
METHOD FOR PRODUCING MOS TRANSISTORS AND BIPOLAR PROCESS FOR STRIPPING OUTER EDGE OF BESOI WAFERS  
WAFER TRAY AND CERAMIC BLADE FOR SEMICONDUCTOR

## WALL TILES

ADAPTING ENAMELS FOR SINGLE FIRED WALL TILES  
STATUS OF INDIAN CERAMIC TILES INDUSTRY  
STUDY OF UNTREATED ADHERENCE OF GLAZE LAYERS  
THEORY AND EXPERIMENTATION ON THE MOISTURE EXPANSION

## WALLS

ASSESSMENT OF EARTH LOADS ON MASONRY BASEMENT WALLS  
BRACING SYSTEMS FOR MASONRY ARE DANGEROUS  
BUILDING BRICKWORK OR BLOCKWORK RETAINING WALLS  
CASE STUDY OF THE PERFORMANCE AND REPAIR OF A MASONRY COMPARISON OF THE MECHANICAL BEHAVIOUR OF TWO LEAF AND CONCRETE OR CERAMIC ELEMENT  
DESIGN PROCEDURE FOR CAVITY AND VENEER WALL TIES  
DRY-STONE WALLS  
EFFECT OF RELAXATION ON THE PERFORMANCE OF  
EVALUATION OF THE DEGRADATION OF WALL SURFACES: IMPACT INFLUENCE OF A NONLINEAR STRESS-STRAIN RELATIONSHIP ON LIFE-CYCLE COSTING REVEALS MASONRY'S LONG-TERM VALUE  
MACROSCOPIC DEFECTS OBSERVED IN REINFORCED BRICKWORK MARKET ANALYSIS OF THE GUARDED HOT BOX AS A METHOD OF REPAIRING DAMAGE TO BRICK AND BLOCK WALLS  
REPLACING MASONRY WALL TIES  
SOLID MASONRY WALLS - THEIR PLACE IN NEW CONSTRUCTION  
STRUCTURAL MODELLING OF POST-TENSIONED BRICKWORK  
TECHNICAL AND OPERATIONAL DIFFICULTIES IN CAVITY WALL  
TIME DEPENDENT DAMAGE OF RUBBLE MASONRY WALLS  
WALL BUILDING, AN EXERCISE UNDERTAKEN BY FIRST YEAR

## WASHING

INFLUENCE OF CRYSTALLISATION AND WASHING MEDIUM ON THE PRODUCTION OF ALUMINA  
WASHING PROCESS AND COMPOSITION

## WASTE DISPOSAL

COMPOSITIONS AND METHODS FOR WASTE TREATMENT  
DESTRUCTION OF CFCs IN CEMENT KILNS  
DISPOSING OF THIS COUNTRY'S WASTE IN SOUTH CAROLINA  
ECONOMIC FLOW CYCLE LAW AND ITS EFFECTS  
IMMOBILISATION OF METAL-CONTAINING WASTE USING CEMENT

76-01208A  
76-018158A  
76-01398A  
76-01707A  
76-03060A  
76-02226P  
76-07004A  
76-08902A  
76-01263A  
76-05066A  
76-07019A  
76-05067A  
76-07026A  
76-00134A  
76-07028A  
76-05192A  
76-04059A

76-01319P  
76-03558B  
76-01144A  
76-08112A  
76-03910P  
76-08111A  
76-01333P  
76-01335P  
76-06711P  
76-07226C  
76-03665P  
76-08119P  
76-03017A  
76-07029A  
76-07178A  
76-08142P  
76-08332A  
76-08338P

76-07730P  
76-05646P  
76-05342P  
76-03155A  
76-07733P  
76-07735P  
76-00997P  
76-08489P  
76-03123P  
76-05540P  
76-01099P  
76-07739P  
76-01002P  
76-03199C  
76-01800P  
76-00834P  
76-06607P  
76-07755P  
76-03218C  
76-07988P  
76-05552P  
76-05407C  
76-07755P  
76-03241A  
76-06667P  
76-07801P  
76-03330P  
76-05594P  
76-07819P  
76-03246P  
76-03461P  
76-08000P  
76-07635P  
76-07840P  
76-07863P  
76-05721P  
76-05634P  
76-05523A  
76-05635P

76-08748P  
76-03230A  
76-08025A  
76-05940P  
76-05950P  
76-05571P  
76-07522P  
76-05820P

76-02972A  
76-09345A  
76-03020A  
76-00643C  
76-00644A

76-02409C  
76-05206A  
76-05209A  
76-02703C  
76-02707C  
76-03032P  
76-02712A  
76-02716C  
76-02719C  
76-09195A  
76-02741C  
76-02749A  
76-02751C  
76-09325A  
76-03859C  
76-05223A  
76-05224A  
76-02775A  
76-02779C  
76-02781C  
76-02787C  
76-02791C

76-01487A  
76-02167P  
76-08638P

76-08623P  
76-02337A  
76-01144A  
76-04882A  
76-02473P

PROCESS FOR IMMOBILIZING PLUTONIUM INTO VITREOUS QUANTITATIVE X-RAY DIFFRACTION ANALYSIS OF RETAINING CAPABILITY OF MINERAL SEALING LAYERS AGAINST TiO<sub>2</sub>-SiO<sub>2</sub> AEROGEL CATALYST FOR PHOTODEGRADATION OF TREATMENT METHOD FOR URBAN WASTE INCINERATION RESIDUES  
VITRIFICATION: TURNING UP THE HEAT ON FLY ASH  
WASTE VITRIFICATION MELTER

## WASTE MATERIALS

ALKALINITY CHANGE DURING HYDRATION OF THE BLAST APPARATUS FOR MAKING CRYSTALLISED GLASS  
APPARATUS FOR VITRIFICATION OF HAZARDOUS WASTE  
BIOLOGICAL DEGRADATION OF CERAMIC PVA ADDITIVES  
CERAMICS FROM SCRAP  
CHARACTERISATION OF CHINA CLAY WASTE AND ITS  
CHEMICAL REACTION BONDING OF BUILDING BLOCKS USING RED CLAY BRICKS WITH RICE HUSK AND PALM OIL ASHES  
COLOURING ROAD SURFACES  
COMPUTATION OF ENAMEL MIXTURES WITH COMPLEX CONSTRUCTION CERAMICS BASED ON GLASS WASTE  
CURRENT STATUS OF GYPSUM BOARD WASTES IN JAPAN  
DESIGN OF A RECYCLING BRICKWORKS IN THURINGIA  
DEVELOPING OF Si<sub>3</sub>N<sub>4</sub>- AND SiC-BASED COMPOSITE CERAMIC DEVELOPMENT AND TESTING OF A LIGHTWEIGHT MORTAR  
EFFECT OF ILMENITE PLANT DUSTS ON RHEOLOGICAL  
EFFECT OF METALLURGICAL SLAGS ON THE COHESIVE STRENGTH EFFECT OF THE COMPOSITION OF FILM-FORMING SOLUTIONS  
ELECTROCHEMICAL MEMBRANE RECOVERY OF HALIDES FROM EVALUATION OF BLENDED CEMENT MORTAR, CONCRETE AND  
EVALUATION OF INDUSTRIAL WASTE AS ALTERNATIVE RAW MATERIAL FOR FLY ASH FOR THE PRODUCTION OF WEAR  
FAST PHOTOMETRIC DETERMINATION OF IRON IMPURITY IN RED FUTURE OF REFRACTORY MATERIALS RECYCLING  
GLASS AND GLASS-CERAMICS FROM COAL FLY-ASH AND WASTE GLASS-CERAMIC FROM SEWAGE SLUDGE ASH  
HYDRATION STUDIES OF NON-PORTLAND BLENDED CEMENTS MADE  
VITRIFICATION OF INDUSTRIAL WASTES IN CERAMIC MATERIALS INEXHAUSTIBLE SUPPLY OF RICE-HUSK ASH AS A PORCELAIN INFLUENCE OF WASTE WATERS, RECOVERY MUDS AND EXHAUSTED INVESTIGATION OF THE PROPERTIES OF A  
MANUFACTURING GLAZED TILES FROM SEVERAL KINDS OF METHOD AND APPARATUS FOR WASTE VITRIFICATION  
METHOD FOR REDUCING NOX EMISSIONS FROM A REGENERATIVE METHOD FOR REDUCING NOX EMISSIONS FROM A REGENERATIVE METHOD FOR WASTE FOR VITRIFICATION  
METHOD OF PRODUCING GLASS MATERIALS FROM ASH-SLAG  
METHOD OF TREATING STEEL MILL WASTE  
MODERN TECHNOLOGIES FOR PROTECTING THE ENVIRONMENT  
NEW WAYS OF RECYCLING GLASS  
OPTIMUM QUALITY FOR CULLET  
PHYSICAL PROPERTIES OF GLASS-CERAMICS DEVELOPED FROM PHYSICO-CHEMICAL FEATURES OF PRODUCING ANHYDRITE CEMENT  
PLASMA VITRIFICATION OF WASTE MATERIALS  
PREFABRICATED BUILDING ELEMENTS BASED ON FGD GYPSUM PROCESS FOR THE PRODUCTION OF SALINE-SOLUBLE VITREOUS PRODUCTION OF CEMENT CLINKER FROM A MIXTURE OF PAPER PRODUCTION OF CERAMIC BUILDING MATERIALS IN RUSSIA  
PRODUCTION OF HIGH-TEMPERATURE CLAYDITE FROM LDAMS OF PRODUCTION OF REINFORCED GLASS WITH AN ELEVATED CULLET PROSPECTS OF BIOGENIC RAW MATERIALS IN THE PRODUCTION RECYCLE OF GLASS FURNACE WASTE MATERIALS  
RECYCLING INCINERATOR ASH INTO HIGH QUALITY CERAMIC RECYCLING OF ENERGY-CONTAINING BY-PRODUCTS IN THE RECYCLING OF GRANITE PROCESSING WASTE FOR FELDSPAR RECYCLING OF INDUSTRIAL AND URBAN WASTES IN BRICK REFRATORIES BASED ON USING DROSS FROM REMELTING OF SELECTIVE SODIUM REMOVAL FROM RADIOACTIVE WASTE SLAG OF THE PRODUCTION OF ALUMINIUM ALLOYS FROM SLAG WASTE IN THE PRODUCTION OF GLASS CRYSTALLITE SLUDGE REUSE IN GLAZES AND ENGOBES  
SOLID WASTE: THE CURRENT SITUATION AND FUTURE

SO<sub>2</sub>/NO<sub>x</sub> SORBENT AND PROCESS OF USE  
SPECIAL FEATURES OF THE TECHNOLOGY OF CONTINUOUS STUDY OF SEYDISEHIR RED MUD WASTES AS BRICK AND  
STUDY OF CHARACTERISTICS OF AUC POWDER PREPARED WITH STUDY ON THE PLASTICITY ENHANCEMENT OF COAL-FLY  
SYNTHESIS OF Co-Ni-FERRITES FROM SULFID COAL ASHES  
TECHNOLOGICAL COATINGS FOR PROTECTING HEATED TITANIUM TECHNOLOGY FOR HIGH-ALUMINA MORTAR IN THE BELDOKAMENSK THERMAL TECHNOLOGIES TO CONVERT SOLID WASTE RESIDUES FROM WASTE MATERIALS  
ULTRADENSE ARTICLES FOR THE COKE AND BY-PRODUCT USE OF FLY ASH AND SEWAGE SLUDGE IN CERAMIC BUILDING USE OF INDUSTRIAL WASTE FOR THE PRODUCTION OF BUILDING USE OF SECONDARY RESOURCES FOR INCREASING THE CHEMICAL USE OF SEWAGE SLUDGE IN CEMENT ADMIXTURES IN USE OF SPENT CATALYSTS FOR SYNTHESIS OF UNDERCOAT USE OF WASTE MATERIALS IN THE BRICK INDUSTRY: THE USING IRON SLAG FOR THE PRODUCTION OF FLOOR TILES BY UTILISATION OF FLY ASH AND POLYPROPYLENE WASTES IN THE UTILISATION OF FLY ASH FOR CERAMIC INDUSTRY UTILISATION OF INDUSTRIAL AND AGRICULTURAL WASTE IN VITRIFICATION OF ORGANIC-CONTAINING WASTES VOLATILISATION DURING THERMAL PLASMA PROCESSING OF WASTE GAS CLEANING IN THE BUILDING INDUSTRY  
WASTE VITRIFICATION MELTER

## WASTE TREATMENT

CHEMICAL REACTION BONDING OF BUILDING BLOCKS USING RED

## WATER

CEMENT COMPOSITION AND ITS USE FOR THE PREPARATION OF CONTROLLED PRECIPITATION OF AMORPHOUS SILICA FROM GLASS FIBRE BINDING COMPOSITIONS, PROCESS OF BINDING POLISHING COMPOSITION  
RAMAN SPECTROSCOPY ON SILICA AEROGELS  
REINFORCING FIBRE PELLETS  
WATER ABSORPTION  
ASBESTOS REPLACER  
COATING AND WATER PERMEATION PROPERTIES OF SiO<sub>2</sub> THIN METHOD OF MANUFACTURING CERAMICS USING A POROUS MOLD NEW METHOD FOR PERFORMING CAPILLARY ABSORPTION TEST POLYMER-SILICA HYBRID MATERIALS PREPARED FROM SOME  
WATER RESISTANCE  
CEMENT PLASTER COMPOSITION, ADDITIVE THEREFOR, AND FIBRE-REINFORCED PLASTIC FRP-CONCRETE COMPOSITE  
FIBROUS GLASS INSULATION ASSEMBLY  
METHOD OF MAKING MOISTURE-RESISTANT ALUMINIUM NITRIDE METHODS FOR EVALUATION OF WATER-PROOFNESS QUALITY AND PEVDY METHOD OF DEPOSITING FLUORINE DOPED OXIDE USING PROCESS FOR PREPARED PERMEABLE SiO<sub>2</sub> SOL  
REDUCING MELT BODILICATE GLASS HAVING IMPROVED UV SURFACE MODIFICATION OF ALUMINIUM NITRIDE POWDER WATERPROOFING COMPOSITION

## WATER RESISTANCE

CEMENT PLASTER COMPOSITION, ADDITIVE THEREFOR, AND FIBRE-REINFORCED PLASTIC FRP-CONCRETE COMPOSITE  
FIBROUS GLASS INSULATION ASSEMBLY  
METHOD OF MAKING MOISTURE-RESISTANT ALUMINIUM NITRIDE METHODS FOR EVALUATION OF WATER-PROOFNESS QUALITY AND PEVDY METHOD OF DEPOSITING FLUORINE DOPED OXIDE USING PROCESS FOR PREPARED PERMEABLE SiO<sub>2</sub> SOL  
REDUCING MELT BODILICATE GLASS HAVING IMPROVED UV SURFACE MODIFICATION OF ALUMINIUM NITRIDE POWDER WATERPROOFING COMPOSITION

## WATER TREATMENT

METHOD FOR PRODUCING GLASS WITH LOWER ALKALI CONTENT

76-08119P  
76-05018A  
76-09282A  
76-04186C  
76-02190P  
76-08332A  
76-08338P

76-04969A  
76-03095P  
76-01319P  
76-01440A  
76-07365A  
76-01447A  
76-02705A  
76-02706C  
76-07284P  
76-05985A  
76-05213A  
76-05988A  
76-03025A  
76-06395C  
76-02416P  
76-00227A  
76-08049A  
76-00245P  
76-08487C  
76-00033A  
76-07372A  
76-04108C  
76-05059A  
76-05259A  
76-02645A  
76-07201A  
76-03232A  
76-00367P  
76-07379A  
76-06004C  
76-05142A  
76-00638P  
76-01333P  
76-01427P  
76-03912P  
76-01335P  
76-02688P  
76-08332P  
76-09370A  
76-07211B  
76-07217B  
76-07149C  
76-08432C  
76-06711P  
76-06963A  
76-04657P  
76-05017A  
76-08408A  
76-08409A  
76-07325A  
76-07322A  
76-06061A  
76-00555P  
76-05320A  
76-06902A  
76-01526C  
76-09371A  
76-01528C  
76-08117C  
76-08415A  
76-04024A  
76-00831A  
76-04832C  
76-04929A  
76-04671P  
76-00297A  
76-01546C  
76-08416A  
76-02235P  
76-03486C  
76-07029A  
76-07349A  
76-02666A  
76-06092A  
76-06092A  
76-00365C  
76-01562A  
76-05192A  
76-04059A  
76-00367A  
76-00851C  
76-08437A  
76-07398A  
76-05299A  
76-09142P  
76-02669A  
76-09360A  
76-08338P

76-07730P  
76-05646P  
76-05342P  
76-03155A  
76-07733P  
76-07735P  
76-00997P  
76-08489P  
76-03123P  
76-05540P  
76-01099P  
76-07739P  
76-01002P  
76-03199C  
76-01800P  
76-00834P  
76-06607P  
76-07755P  
76-03218C  
76-07988P  
76-05552P  
76-05407C  
76-07755P  
76-03241A  
76-06667P  
76-07801P  
76-03330P  
76-05594P  
76-07819P  
76-03246P  
76-03461P  
76-08000P  
76-07635P  
76-07840P  
76-07863P  
76-05721P  
76-05634P  
76-05523A  
76-05635P

76-08748P  
76-03230A  
76-08025A  
76-05940P  
76-05950P  
76-05571P  
76-07522P  
76-05820P

76-02972A  
76-09345A  
76-03020A  
76-00643C  
76-00644A

76-02409C  
76-05206A  
76-05209A  
76-02703C  
76-02707C  
76-03032P  
76-02712A  
76-02716C  
76-02719C  
76-09195A  
76-02741C  
76-02749A  
76-02751C  
76-09325A  
76-03859C  
76-05223A  
76-05224A  
76-02775A  
76-02779C  
76-02781C  
76-02787C  
76-02791C

76-01487A  
76-02167P  
76-08638P

76-08623P  
76-02337A  
76-01144A  
76-04882A  
76-02473P

# PHOTOCATALYTIC WATER PURIFICATION PILOT PLANT SCALE PHOTODEGRADATION OF TRICHLOROETHENE WAVEGUIDES

COUPLING DEVICE BETWEEN A GLASS FIBRE AND A DIELECTRIC  
DIAMONDLIKE CARBON OPTICAL WAVEGUIDE  
FERROELECTRIC RF LIMITER  
OPTICAL SWITCH  
OPTICAL WAVEGUIDE AND METHOD OF FABRICATING THE SAME  
OPTICAL WAVEGUIDE FORMED BY ALUMINUM NITRIDE THIN  
FILM AND CHANNEL WAVEGUIDES ON FLUORIDE GLASSES  
PREPARATION OF PZS FLUORIDE GLASS CHANNEL WAVEGUIDES  
PROCESS OF MAKING CHANNEL WAVEGUIDES IN GEL-SILICA

## WEAR

ANALYTICAL MODEL FOR MATERIAL REMOVAL IN ABRASIVE JET  
APPLICATION OF MAGNETITE-CHROME SNORKEL BRICK IN 3001  
APPLICATION OF SPINEL-CARBON BRICK IN STEEL LADLE  
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BAC-SIC BASED MATERIALS FOR WEAR APPLICATIONS  
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COMPARISON OF THE CLINICAL ABRASION RESISTANCE OF SIX  
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DRILL BIT HAVING IMPROVED CUTTING STRUCTURE WITH  
DYNAMIC RECRYSTALLIZATION DURING THE SLIDING WEAR OF  
EFFECT OF FIBRE ORIENTATION OF THE DRY SLIDING WEAR OF  
EFFECTS OF HARDNESS AND FRACTURE TOUGHNESS OF TARGET  
EFFECTS OF SILICON CARBIDE NANO-PHASE ON THE WET  
ELABORATION AND MECHANICAL PROPERTIES OF  
EROSION WEAR IN A2O3-CO2 COMPOSITES  
EXAMINATION OF THE MATERIAL PROPERTIES AND PERFORMANCE  
FRICTION AND WEAR RESPONSES OF AN ALUMINA-ZIRCONIA  
FRICTION AND WEAR MECHANISM OF ZIRCONIA IN  
FRICTION COEFFICIENT AND MICROSTRUCTURE OF  
GRAIN-SIZE DEPENDENCE OF SLIDING WEAR IN TETRAAGONAL  
HIERARCHY OF MICROMECHANICAL INFLUENCES ON FRICTION  
IMPROVEMENTS IN TUNDISH SLIDING NOZZLE PLATES FOR HIGH  
INFLUENCE OF ALLOYING ELEMENTS ON THE CHEMICAL  
INFLUENCE OF NANOPHASE ON TRIBOLOGICAL PROPERTIES OF  
INTERMEDIATE FOR PRODUCING POROUS SILICON CARBIDE  
MANUFACTURE, PROPERTIES AND APPLICATIONS OF WHISKER  
MECHANICAL AND TRIBOLOGICAL PROPERTIES OF  
MICROSTRUCTURE AND TRIBOLOGICAL BEHAVIOUR OF ALUMINA  
MODEL OF PRECISION SURFACE TREATMENT OF QUARTZ GLASS  
MONOLITHIC SELF-SHARPENING ROTARY DRILL BIT HAVING  
NANOZYNE ADVANCES ULTRAFINE WC-Co POWDERS  
NEEDS AND CHALLENGES IN PRECISION WEAR MEASUREMENT  
NEW APPROACH OF ZIRCONIA WEAR  
NEW DESIGN OF TUNGSTEN CARBIDE TOOLS WITH DIAMOND  
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SEGMENTED CERAMIC INLAY PISTON RING  
SILICON CARBIDE WITH CONTROLLED POROSITY  
SLAGLINE WEAR OF GRAPHITE-BONDED ZIRCONIA SENS  
SLIDING WEAR OF A2O3-6061 AL COMPOSITE  
SLIDING WEAR OF A2O3-SiC (Al<sub>2</sub>Si) COMPOSITES AGAINST A  
SLIDING WEAR OF CERAMICS  
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STUDY ON CMO-TIO2-C MATERIAL TO PREVENT ALUMINA  
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SYNTHETIC DIAMOND WEAR COMPONENT AND METHOD  
THERMAL SPALLING WEAR AND MECHANICAL BEHAVIOUR OF  
TRIBOLOGICAL PROPERTIES OF CLAY BONDED SIC  
TRIBOLOGICAL PROPERTIES OF OIL-RETAINING POROUS  
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WEAR BEHAVIOUR OF A2O3-TiCN COMPOSITE CERAMIC SLIDING  
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WEAR PROPERTIES OF NEW POROUS CARBON MATERIALS:  
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## WEAR RESISTANCE

ABRASIVE WEAR OF PROTECTIVE COATINGS OF THERMITIC  
APPLICATION OF BASIC MATERIALS FOR CONTINUOUS CASTING  
CERAMIC TRACK BUSHINGS  
COATED HARD ALLOY TOOL  
COATING CONTAINING DIAMOND-BENEDUM CARBIDE PRECIPITATES  
COMPARATIVE STUDY ON THE 3Y-TZP-SELECTED CARBIDES  
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COMPOSITE CERAMIC COATINGS FOR SELF-LUBRICATING  
COMPOSITE WEAR-RESISTANT GLASS-CERAMIC MATERIALS WITH  
COMPOSITES FOR REDUCING WEAR ON CERAMIC SURFACES  
DEVELOPMENT OF FUNCTIONALLY GRADED SINTERED HARD  
DIAMOND-IMPREGNATED HARD MATERIALS  
EFFECT OF IMPURITIES IN GRAIN BOUNDARY PHASES ON WEAR  
EFFECT OF STEEL PLATES THICKNESS ON WEAR OF BASIC  
EFFECT OF SUBSTRATE BIAS VOLTAGE ON THE PROPERTIES OF  
EFFECTS OF NEW RARE EARTH ADDITIONS ON PROPERTIES AND  
EFFECTS OF TITANIA WHISKER PRECIPITATION ON WEAR  
ENHANCED PERFORMANCE OF CERAMIC TABLEWARE  
GRAIN-SIZE DEPENDENCE OF SLIDING WEAR IN TETRAAGONAL  
HETEROGENISATION AS A METHOD TO IMPROVE PROPERTIES OF  
HIGH-SPEED GRINDING OF CAST IRON CRANKSHAFTS WITH CBN  
HOT ISOSTATIC PRESSING: RESEARCH TOOL AND  
IMPROVEMENT IN REFRACTORY OF TOP AND BOTTOM BLOWING  
IMPROVEMENT OF CASTABLE REFRACTORIES FOR TOP BUBBLING  
IMPROVEMENT OF LD-ORP REFRACTORY LINING  
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IMPROVEMENT OF SPALLING RESISTANCE OF MgO-C BRICKS AT  
INCREASING THE WEAR RESISTANCE OF LININGS OF ORE  
INFLUENCE OF LIQUID MEDIA ON OSCILLATING SLIDING WEAR  
INFLUENCE OF POROSITY ON FRICTION AND WEAR OF  
INFLUENCE OF POWDER CHARACTERISTICS ON SINTERABILITY  
ION IMPLANTATION TO IMPROVE MECHANICAL AND ELECTRICAL  
LAMINATE CONTAINING DIAMONDLIKE CARBON AND THIN-FILM  
LONG-LIFE NOZZLE  
LUBRICANTS FOR CERAMICS AT ELEVATED TEMPERATURES  
MACHINABILITY OF PARTICULATE REINFORCED LIGHT ALLOY  
MAGNETIC HEAD HAVING CHROMIUM NITRIDE PROTECTIVE FILM  
MECHANICAL HEAT WITH WEAR-RESISTANT COATINGS OF  
MgO-C IN PLATE FOR CASTING Co-ALLOY TREATED STEEL  
MULLITE-CORUNDUM REFRACTORIES WITH SILICON CARBIDE FOR  
NEW APPROACH OF ZIRCONIA WEAR  
ON THE PERFORMANCE OF A CH COATED SIC WHISKERS  
PERFORMANCE OF CERAMIC CUTTING TOOLS IN TURNING  
PERICLASE-SPINEL BRICK FOR CEMENT KILN  
POWDER PROCESSING OF AA 6061 ALUMINUM METAL MATRIX  
PROTECTIVE COATINGS OF NANOPHASE DIAMOND DEPOSITED  
REFRACTORY WEAR OF DOLOMITIC AND MAGNETIC BOF LINING  
SCRATCH DEFORMATION BEHAVIOUR OF ALUMINA UNDER A SHARP  
SO-GEL-COATED PRODUCTS IN AUSTRALIA

76-04147A  
76-04149C

76-02673P  
76-06357P  
76-03632P  
76-04215P  
76-02137P  
76-07665C  
76-07219C  
76-07225C  
76-06753P

76-01158A  
76-05237A  
76-03088C  
76-04226C  
76-06645C  
76-06825A  
76-03679A  
76-08254A  
76-02820A

76-06992A  
76-07039P  
76-03805P  
76-04194A  
76-02496A  
76-02269A  
76-02270A  
76-09222C  
76-02271A

76-02394A  
76-06841A  
76-04113A  
76-01943A  
76-04116A  
76-08504C  
76-02882A  
76-04260A

76-06862A  
76-06614P  
76-02504A  
76-01101A  
76-08533C  
76-05183A  
76-04866P  
76-01507A

76-08291A  
76-08545C  
76-05064A  
76-04117A  
76-00182P  
76-04666P  
76-07340A  
76-00136A

76-07027A  
76-02304A  
76-07347A  
76-00533A  
76-05076A  
76-09135P  
76-04299C  
76-04846A

76-04301A  
76-06873A  
76-07352A  
76-07034A  
76-01314A  
76-02525A  
76-09276A  
76-06874A

76-00549C  
76-07354A  
76-02310A  
76-02358A  
76-08613A

76-00376A  
76-02803A  
76-02327A  
76-02528P  
76-06353P  
76-02248C  
76-04542P

76-01915C  
76-00523A  
76-06354P  
76-06996A  
76-04556P  
76-08666A  
76-07298A  
76-04368A

76-00094A  
76-05135A  
76-00586C  
76-04116A  
76-08902A  
76-06916A  
76-01224A

76-00455C  
76-02523A  
76-00457A  
76-02877A  
76-00460A  
76-02883A  
76-02526A

76-08518A  
76-06131A  
76-05864A  
76-05734P  
76-02894A  
76-01898P  
76-00109C

76-05736P  
76-00169P  
76-02898A  
76-00487A  
76-08545C  
76-02509C  
76-04817C

76-05280A  
76-05068A  
76-05071A  
76-00515C  
76-04161A  
76-03437C

SUPER DENSE DIRECT BONDED MAGNESIA-CHROME BRICK FOR  
TECHNIQUES FOR EXTENSION OF CAMPAIGN LIFE OF STEEL  
TITANIUM DIBORIDE PARTICLE-REINFORCED ALUMINUM WITH  
TITANIUM-BASED HARD SINTERED ALLOY  
TRIBOLOGY OF ALUMINA-GRAPHITE COMPOSITES  
ULTRASONIC MACHINING OF SILICON NITRIDE AND SYNTHETIC  
USE OF A HIGH POWERED LASER IN THE PREVENTION OF WEAR  
WEAR-RESISTANT CERAMICS  
WEAR-RESISTANT FILM  
WEAR-RESISTANT TOOLS  
WEAR-RESISTING PROPERTIES AND APPLICATION EXAMPLES OF  
ZIRCONIA-TUNGSTEN CARBIDE PARTICULATE COMPOSITES.

## WEATHERING

PROPERTIES OF THE LECCE STONE AND THE EFFECTS OF  
RELATIONSHIP BETWEEN MECHANICAL CHARACTERISTICS AND  
TEMPERATURE CONDITIONS OF MASONRY IN A SEVERE UK

## WEIBULL MODULUS

CALCULATION OF DESIGN PARAMETER OF Si3N4 FOR  
IS STRENGTH AN ACCURATE PREDICTOR OF CLINICAL  
VALIDITY OF WEIBULL ESTIMATORS - EXPERIMENTAL  
WEIBULL MASTER CURVES, RESIDUAL STRESS FIELDS AND

## WEIBULL STATISTICS

BRITTLE FAILURE PREDICTION OF CERAMICS USING A  
SERVICE LIFE ANALYSIS FROM FIELD DATA ON AGE  
SUBCRITICAL CRACK GROWTH IN MnZn FERRITES  
TENSILE AND BENDING STRENGTH OF GLASS

## WELDING

ASPECTS ON AN ULTRASONIC WELDING APPARATUS ANVIL  
CHALLENGE OF TUCKSTONE REPAIRS BY CERAMIC WELDING  
PLASMA ENHANCED MICROWAVE JOINING  
ROBOTS INCREASE QUALITY AND PRODUCTION CAPACITY  
THERMOELECTRIC COUPLE DEVICE  
ULTRASONIC ROLL SEAM WELDING FOR THE PRODUCTION OF

## WEST INDIES

CERAMIC POTENTIAL OF SOME TRINIDAD CLAYS. PT.2.

## WETTABILITY

CHEMICAL VAPOUR DEPOSITION OF SILICON CARBIDE ON  
CONDUCTIVE SOLDER PAD FOR BONDING AN ELECTRONIC DEVICE  
DETERMINATION OF THE ENERGY OF THE INTERFACIAL  
EFFECT OF OXYGEN ON THE WETTABILITY OF SAPPHIRE BY  
EFFECT OF WETTABILITY OF GRAINS BY A LIQUID PHASE ON  
IMPROVEMENT IN FLOWABILITY, OXIDATION RESISTANCE AND  
INFLUENCE OF ATMOSPHERE ON THE WETTABILITY OF  
METHOD OF PREPARING A CERAMIC BODY TO FORM A WETTABLE  
SELECTIVE CALL RADIO FROM A CERAMIC SUBSTRATE FOR  
WETTABILITY AND REACTIVITY OF SILICA-ALUMINA  
WETTABILITY AND REACTIVITY OF SILICON CARBIDE BY  
WETTABILITY STUDIES OF CUBIC BORON NITRIDE BY

## WETTING

BONDING AND INTERFACIAL REACTIONS IN CERAMICS FOR  
CALCIA-ALUMINA FIBRE-REINFORCED AT 70% ALLOY  
EFFECT OF INTERFACIAL PHENOMENA ON REACTION LAYER  
ENERGETICS OF AIR EPITAXIAL WETTING LAYERS ON  
GLASS AND POLYMER: WETTING AND ADHESION  
ILLUMINATION-INDUCED SURFACE CHARGES ON THIN DIAMOND  
ROLE OF THE WORK OF ADHESION AND THE WETTING OF THE  
STUDY OF THE WETTING, MICROSTRUCTURE AND BOND STRENGTH  
THERMODYNAMIC ANALYSIS OF CERAMIC OXIDE/LIQUID METAL  
WETTING BEHAVIOUR OF Ba82O4 ON SUBSTRATES USING THE  
WETTING OF Si3N4 BY THE LIQUID C-CONTAINING ALLOYS  
WETTING OF TITANIUM CARBIDE BY PURE LIQUID Cu, Ag AND

## WHISKER REINFORCEMENT

PRESSURELESS SINTERING OF WHISKER-REINFORCED A2O3

## WHISKERS

ACCELERATING EFFECT OF WHISKERS ON THE AGEING PROCESS  
ALIGNMENT OF SILICON CARBIDE WHISKERS IN POLYMER  
CARBOTHERMAL SYNTHESIS OF TiC WHISKERS VIA A  
CHEMICAL VAPOUR GROWTH OF HfC WHISKERS AND THEIR  
EFFECTS OF ADDITIVES ON THE SYNTHESIS OF TITANIUM  
EFFECTS OF PARTICLE SIZE DISTRIBUTION AND INDUCED  
FABRICATION OF TiO2 COATING ON SIC WHISKER BY A  
FORMATION OF SIC FROM RICE HUSK SILICA-CARBON BLACK  
FORMATION OF SIC WHISKERS FROM RAW RICE HUSKS IN ARGON  
GROWTH OF MULLITE WHISKERS ON ALUMINA PARTICLE BY  
IMPROVED AQUEOUS DISPERSION OF SILICON NITRIDE WITH  
INDUCTION OF MESOTHELLOMA AFTER INTRAPLEURAL  
INFLUENCE OF RESIDUAL STRESS ON FRACTURE TOUGHNESS OF  
INVESTIGATIONS ON WHISKERS AND PARTICLES BY ANALYTICAL  
KINETICS OF SILICON MONOXIDE AMMONOLYSIS FOR NANOPHASE  
METHOD FOR SYNTHESIZING TITANIUM NITRIDE WHISKERS  
METHOD OF MAKING IN SITU GROWN WHISKER-REINFORCED  
MICROSTRUCTURE EVOLUTION OF POTASSIUM TITANATE  
MODIFICATIONS OF ALPHA-ALUMINA UNDER HYDROTHERMAL  
MORPHOLOGIES AND GROWTH MECHANISMS OF ALUMINUM  
MORPHOLOGY AND GROWTH CHARACTERISTICS OF Si3N4  
NOVEL PROCESS FOR TITANIUM NITRIDE WHISKER SYNTHESIS  
PREPARATION AND MECHANICAL PROPERTIES OF SIC WHISKER  
PREPARATION OF SIC WHISKERS FROM POLYCARBOSILANE  
PREPARATION OF ZIRCONIA AND SILICON CARBIDE WHISKER  
PRESSURELESS SINTERING OF WHISKER-REINFORCED A2O3  
PROCESS FOR MAKING TiC-BASE/SIC WHISKER COMPOSITE  
PROCESS FOR THE PREPARATION OF SIC WHISKER-REINFORCED  
PROCESS FOR THE PRODUCTION OF LONG FIBROUS SILICON  
PROCESSING OF ALUMINUM NITRIDE WHISKERS BY COMBUSTION  
STACKING FAULTS IN BETA-SIC FORMED DURING CARBOTHERMAL  
STRAIN TOLERANT POROUS SILICON NITRIDE  
SYNTHESIS OF BETA-SIC WHISKERS BY  
SYNTHESIS OF BETA-SIC WHISKERS FROM SILICA BLACK ORE  
SYNTHESIS OF HYDROXYAPATITE POWDERS BY HOMOGENEOUS  
SYNTHESIS OF A NANOPHASE, WHISKER-REINFORCED  
SYNTHESIS OF SILICON CARBIDE WHISKERS USING THE  
SYNTHESIS OF TITANIUM NITRIDE WHISKERS FROM  
WHISKER-REINFORCED CERAMIC MATERIAL

## WHITENESS

ONE FIRING OF TWO-COAT ENAMEL

## WHITEWARE

ADVANCED MANUFACTURING OF FAST FIRED WHITEWARE BODIES  
ADVANCED ORGANIC BINDER SYSTEMS FOR WHITEWARES  
A2 CONTAINING ANTIBACTERIAL CERAMIC PRODUCTS  
CALCULATION OF THERMAL STRESSES IN WHITEWARE BODIES  
CERAMIC DECORATION BY THE FOUR COLOUR PROCESS  
CHARACTERISATION OF PLASTICITY  
COLOURS, PIGMENTS AND DECORATION  
CIRCUITRY FIRING SCHEDULES WITH THERMAL ANALYSIS  
DEVELOPMENT OF HIGH-STRENGTH WHITEWARE BODIES  
FIRING OF DECORATIONS ON WHITEWARES  
FLEXIBLE AUTOMATION FOR WHITEWARE  
FORMULATING LEAD-FREE GLAZES  
FRACTOGRAPHY OF WHITEWARES  
FRACTURE MECHANICS: APPLICATIONS FOR WHITEWARES  
FUNDAMENTALS OF DRYING AND SHRINKAGE  
GLAZE PROBLEMS FROM A GLASS SCIENCE PERSPECTIVE  
GLAZES FROM PRE-MILLED RAW MATERIALS  
GRAIN SIZE ADJUSTMENT IN FLUIDISED BED GRANULATION

76-00355C  
76-02950A  
76-02521A  
76-02314P  
76-08518A  
76-08226A  
76-01312A  
76-08610A  
76-04691P  
76-02403P  
76-06921A  
76-09279C

76-02451C  
76-05222A  
76-02783C

76-08646A  
76-03852C  
76-09189A  
76-09277A

76-04743A  
76-05020A  
76-08010C  
76-07170C

76-02391P  
76-05827A  
76-03745C  
76-07233B  
76-04221P  
76-03795A

76-01444A

76-03928A  
76-02065P  
76-04091P  
76-06117A  
76-03378A  
76-00454A  
76-04261A  
76-03891P  
76-00702P

76-02959C  
76-07035C  
76-08746C

76-01162C  
76-06991A  
76-01201C  
76-07580C  
76-02646A  
76-06328A  
76-01282C  
76-01295A

76-08603A  
76-06183A  
76-02280A  
76-01792C

76-09092P

76-00076A  
76-08343A  
76-03924A  
76-01450A  
76-03948A  
76-04369A  
76-01469A  
76-04254A

76-01470A  
76-03963A  
76-04329A  
76-06889A  
76-02280A  
76-07171A  
76-03978A  
76-09053P

76-04609P  
76-09276A  
76-06033C  
76-08384A  
76-01505A  
76-03996C  
76-04820A  
76-08403A

76-04009A  
76-09091P  
76-08727P  
76-09117P  
76-06750P  
76-04012C  
76-01784A

76-08729A  
76-04038A  
76-06084A  
76-06527A  
76-05076A  
76-01555A  
76-08425A  
76-06791P

76-01258A

76-02973C  
76-03915C  
76-06063A  
76-02976C  
76-00571A  
76-04359C  
76-02978C  
76-02982C

76-05082A  
76-07374B  
76-08160A  
76-00595A  
76-04782C  
76-03708C  
76-02991C  
76-00596A  
76-00598A

- HIGH TEMPERATURE ATMOSPHERE HUMIDITY MEASUREMENT  
HISTORICAL PERSPECTIVE ON WHITEWARE SCIENCE  
INFLUENCES OF PARTICLE SIZE DISTRIBUTIONS ON  
INNOVATIVE KILN FURNITURE FOR THE FAST FIRING OF  
MEASUREMENT OF BENDING STRENGTH USING SPECIMENS CUT  
MECHANICS OF EXTRUSION  
MECHANISM OF PLASTICITY IN CLAY-WATER SYSTEMS  
METHOD AND APPARATUS FOR THE MEASUREMENT OF  
METHYLENE BLUE INDEX FOR WHITEWARE BODY CONTROL  
MUCH AWAITING RECOVERY  
MUCH POTENTIAL FOR GROWTH IN SRI LANKA  
POTTERY AND PIGMENTS IN ARIZONA: SALADO POLYCHROME  
PIREFIRED MATERIAL FOR WHITEWARE CERAMIC COMPOSITION  
PRODUCTIVITY CAST IN A NEW MOLD  
PYROPLASTIC DEFORMATION OF WHITEWARE BODIES  
RATIONALE AND IMPLEMENTATION OF PREDICTIVE PROCESS  
RECENT INNOVATIONS IN FAST FIRING PROCESS  
REFRIGERATOR  
SILLIMANITE SAND-FELDSPAR PORCELAINS, PT.2. PHASE  
SLURRY COMPOSITION, SHAPING METHOD USING THE SAME, AND  
SONIC METHODS FOR FLAW DETECTION  
STRONG INNOVATION FOR THE CHINESE CERAMIC INDUSTRY  
THERMAL SHOCKS OF TRIAXIAL PORCELAINS  
TIME, TEMPERATURE AND ATMOSPHERE EFFECTS ON FIRING  
TRADITIONAL CERAMICS IN AUSTRALIA  
ULTRAVIOLET DRYING IN CERAMIC DECORATION TECHNOLOGY  
WHITEWARES: CHALLENGES CONTINUE
- WIRE DRAWING**  
DIAMOND WIRE DRAWING DIE  
SYNTHETIC SINGLE-CRYSTAL DIAMOND FOR WIRE DRAWING DIES
- WIRES**  
CERAMIC ARTICLES  
CERAMIC PACKAGE MAIN BODY  
COMPOSITE DIAMOND WIRE DIE
- FABRICATION METHOD OF SUPERCONDUCTING QUANTUM  
METHOD OF FORMING A METAL WIRE IN A SEMICONDUCTOR  
METHOD OF MANUFACTURING AN ENCASED WIRE OF HIGH  
METHOD OF PRODUCING CERAMICS SYSTEM SUPERCONDUCTING  
NEAR NET SHAPE PROCESSING OF CONTINUOUS LENGTHS OF  
OXIDE SUPERCONDUCTING WIRE AND SUPERCONDUCTING  
OXIDE SUPERCONDUCTING WIRE AND PROCESS FOR  
SEMICONDUCTOR DEVICE AND METHOD FOR FABRICATION  
SUPERCONDUCTING WIRE AND COMPOSITE SUPERCONDUCTOR  
VARIABLE PROFILE SUPERCONDUCTING MAGNETIC COIL
- WIRING**  
ALL-CERAMIC SURFACE MOUNT SIP AND DIP NETWORKS HAVING  
ALUMINA MULTILAYER WIRING SUBSTRATE PROVIDED WITH HIGH  
CERAMIC OXIDE CIRCUIT BOARD  
CERAMIC TERMINAL ASSEMBLY  
METHOD OF MANUFACTURING A MULTILAYERED WIRING  
METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE  
MOSFET DEVICE HAVING CONTROLLED PARASITIC ISOLATION  
MULTICHIP CERAMIC MODULE FOR MOUNTING ELECTRIC PARTS  
PIEZOELECTRIC LINEAR ACTUATOR  
PROCESS FOR FABRICATION OF SUPERCONDUCTING WIRING  
PROCESS FOR PREPARING A MULTILAYER WIRING BOARD  
SEMICONDUCTOR DEVICE HAVING AN SOI STRUCTURE OF MESA
- WOLLASTONITE**  
CHARACTERISTICS OF POROUS WOLLASTONITE CERAMICS  
PROCESSING OF ALUMINA-WOLLASTONITE COMPOSITE  
WOLLASTONITE RAW MATERIALS AND THEIR APPLICATIONS (A)
- WOODCERAMICS**  
MECHANICAL PROPERTIES OF POROUS CARBON MATERIALS I.E.
- WURTZITE**  
EFFECTS OF STRAIN FIELDS ON EXCITONS AND PHONONS IN  
MODIFIED WURTZITE STRUCTURE OXIDE COMPOUNDS AS  
OPTICAL SIGNATURE OF THE GaN (10 MINUS 1 0) SURFACE  
RELAXATIONS AT GaN(10 MINUS 1 0) AND (110) SURFACES  
SHALLOW IMPURITY STATES IN WURTZITE AND ZINC BLEND
- X-**  
X-RAY DATA FOR NEW Y-Si-AL-O-N GLASS-CERAMICS
- X-RAY**  
CRYSTAL STRUCTURE AND DIELECTRIC PROPERTIES OF  
DIFFERENTIAL SCATTERING X-RAY SCATTERING STUDIES OF  
EFFECTS OF X-RAY AND gamma-RAY IRRADIATION ON GaN
- X-RAY DIFFRACTION**  
29Si MAS NMR, XRD, AND FESEM STUDIES OF RICE HUSK  
ADSORPTION AND CATALYTIC REACTION OF CFC-11 ON NaX  
ADVANCED MANUFACTURING OF FAST FIRED WHITEWARE BODIES  
BEYOND THE TOLERANCE FACTOR: HARNESSING X-RAY AND  
COMPARISON OF X-RAY PATTERNS AND RAMAN SPECTRA OF n-  
CRYSTALLINE ALUMINOSILICATE, PROCESS FOR PRODUCING THE  
CRYSTALLINITY DETERMINATION OF PURE PHASES USED AS  
CRYSTALLISATION IN GLASSES. X-RAY DIFFRACTION STUDY  
DETERMINATION OF THE STRUCTURES OF Ba-Ln-Ti-O  
HIGH-RESOLUTION X-RAY DIFFRACTION ANALYSIS OF GaN  
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INDIUM DROPLET FORMATION ON THE InGa1-xIn FILMS  
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EFFECTS OF NEODYMIUM CONCENTRATION ON OPTICAL  
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FIELD DEPENDENCE AND RELAXATION OF REMANENT  
FLIP-MESH SUPERCONDUCTING MCM  
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FORMATION MECHANISM OF THE DEFECTS AROUND Y2BaCuO5  
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INFLUENCE OF THE MAGNETIC FIELD ON THE ELECTROMAGNETIC  
INFLUENCE OF WEAK VISIBLE LIGHT ON FLUX CREEP IN HTSC  
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MAGNETORESISTANCE ANISOTROPY IN EPITAXIAL YBa2(Cu1-  
METHOD FOR MAKING A HIGH-TEMPERATURE SUPERCONDUCTING  
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SUPERCONDUCTIVE MATERIAL  
UNCOOLED YBaCuO THIN FILM INFRARED DETECTOR  
YTTRIUM BARIUM TITANATE  
SOL-GEL PHASE ELECTROLYTE COMPOUNDS IN THE BaO-RICH  
YTTRIUM CALCIUM IRON OXIDE  
NEW CANDIDATE FOR THE SOLID OXIDE FUEL CELL CATHODE  
YTTRIUM CHROMITE  
DIMENSIONAL INSTABILITY OF CATHODE AND INTERCONNECT  
MECHANICAL PROPERTIES OF LANTHANUM AND YTTRIUM  
YTTRIUM COPPER OXIDE  
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GROWTH OF Y2TiO7 SINGLE CRYSTAL FIBRES AND EVALUATION  
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**ZINC NICKEL OXIDE**  
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DIELECTRIC CERAMIC COMPOSITION FOR HIGH FREQUENCIES  
DIFFERENTIAL THERMAL ANALYSIS METHOD USED TO STUDY THE DRY PRE-SHAVING COMPOSITION  
EFFECT OF ANNEALING ON PHASE STRUCTURE AND DEGRADATION EFFECT OF Cr2O3 ADDITIVE ON THE ELECTRICAL PROPERTIES EFFECT OF PARALLEL ELECTRIC FIELDS ON THE ORIENTATION EFFECT OF PORE SHAPE ON THE ULTRASONIC  
EFFECT OF PREPARATION CONDITIONS ON THE FORMATION OF EFFECT OF VARIATIONS IN GRAIN SIZE AND GRAIN BOUNDARY EFFECTS OF HYSTERESIS CURVES OF GLASS-PASSIVATED MOS EFFECTS OF NONDISPERSED INCLUSIONS ON THE  
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76-01021A  
76-08252A  
76-03459P  
76-03479A  
76-09069P  
76-08596A  
76-03801C  
76-04279A  
76-05056A  
76-04512A  
76-02121P  
76-06315A  
76-04406A  
76-01572A  
76-05546P  
76-04531P  
76-05364C  
76-04539P  
76-08353A  
76-04549P  
76-05584P  
76-00881A  
76-03945  
76-05524A  
76-04564P  
76-05108P  
76-01481A  
76-01483A  
76-01493A  
76-06138P  
76-06621P  
76-01699P  
76-01501A  
76-04626P  
76-06700P  
76-08390A  
76-07451C  
76-04477A  
76-08933A  
76-02146P  
76-08566A  
76-08102P  
76-02154P  
76-09106P  
76-06733P  
76-06740P  
76-09113P  
76-08746P  
76-09119P  
76-01375A  
76-04900C  
76-08286A  
76-01654A  
76-08599A  
76-02183P  
76-08781P  
76-04364A  
76-02193P  
76-06792P  
76-06793P  
76-09144P  
76-04692P  
76-09145P  
76-04693P  
76-09146P  
76-08767C  
76-04366A  
76-04370C  
76-06049A  
76-05153P  
76-03173C  
76-04366A  
76-08015P  
76-03545A  
76-03559A  
76-04586P  
76-09717C  
76-09082P  
76-06370P  
76-07684C  
76-07686C  
76-08560A  
76-07575A  
76-04524P  
76-07536C  
76-08977P  
76-05695P  
76-00670A  
76-03832C  
76-07416A  
76-08093C  
76-08812A  
76-00823P  
76-03685A  
76-08091A  
76-05477P  
76-07164P  
76-06397C  
76-08625P  
76-03177A  
76-07564A  
76-02212A  
76-08820A  
76-06118A  
76-03182A  
76-03055A  
76-02214A  
76-08093A  
76-03057A  
76-09150C  
76-08095A  
76-05526A  
76-03453P  
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GLASS CERAMIC SINTERED BODY, A PROCESS FOR ITS  
GRAIN GROWTH DURING CVD SINTERING OF ZnO IN WATER  
GRAIN GROWTH IN THE MnO ADDED ZnO-5 wt% Sb2O3 CERAMIC  
GROWTH OF HEXAGONAL GALLIUM NITRIDE FILMS ON THE (111) GROWTH OF (0001) ZnO THIN FILMS ON SAPPHIRE  
HIGHLY CONDUCTING TRANSPARENT THIN FILMS BASED ON ZINC HIGH RESISTIVE PATTERNED ZnO FILMS IMPLANTED WITH  
INTEGRATED HETEROSTRUCTURES OF GROUP III-V NITRIDE INTERACTION OF OXIDES IN THE ZnO-Ni2O3 SYSTEM  
INVERSION DOMAIN BOUNDARIES IN ZnO CERAMICS  
LEAD-FREE GLASS FRITS FOR CERAMIC ENAMELS  
76-02584P  
76-07252P  
76-01727C  
76-09157A  
76-07597C  
76-07598C  
76-03207A  
76-01983A  
76-07750P  
76-08520A  
76-05527A  
76-02303P  
76-05120P  
76-08140A  
76-04586P  
76-02110P  
76-06664P  
76-01964A  
76-03242A  
76-08918A  
76-03255A  
76-02138P  
76-08780C  
76-00811A  
76-09083P  
76-06488A  
76-00813A  
76-08144C  
76-05457A  
76-05500A  
76-01524A  
76-01985A  
76-00814C  
76-05457A  
76-08841C  
76-06163A  
76-07458C  
76-06607P  
76-08780C  
76-03284A  
76-07708C  
76-05720P  
76-08727P  
76-08728P  
76-08605A  
76-06345A  
76-07329C  
76-07229A  
76-08729C  
76-08730P  
76-05519P  
76-08861C  
76-01010P  
76-08872P  
76-07727C  
76-03194A  
76-02667A  
76-02676P  
76-07629C  
76-07823P  
76-08405A  
76-01885A  
76-03162A  
76-03224A  
76-05820C  
76-04203P  
76-05811A  
76-04009A  
76-02025A  
76-04195A  
76-00886A  
76-07127C  
76-00936A  
76-03409A  
76-07150C  
76-07095C  
76-07099C  
76-05689A  
76-07174C  
76-06915A  
76-00004P  
76-01903A  
76-06921A  
76-03669A  
76-06330C  
76-01573A  
76-08451A  
76-01905C  
76-08798P  
76-01666P  
76-01670P  
76-03035C  
76-01579A  
76-01350C  
76-05826C  
76-04073A  
76-01580C  
76-03036C  
76-00084C  
76-04075A  
76-05978C  
76-00671A  
76-01582A  
76-00672A  
76-02205P  
76-05346A  
76-07410A  
76-03678A  
76-05830A  
76-01817A  
76-05831A  
76-04081C  
76-01352A  
76-05349C  
76-08459A  
76-04614A

- CONTOURED PEN PLATES FOR IMPROVED THERMOMECHANICAL CONTROLLING HEATING OF IC ENGINE OXYGEN SENSOR COPRECIPITATION AND HYDROTHERMAL SYNTHESIS OF CORRELATION BETWEEN MICROSTRUCTURE, PHASE CORRELATION BETWEEN PHASE TRANSFORMATION AND SURFACE CRACK CONFIGURATION BENEATH VICKERS INDENTATION IN CRACK RESISTANCE AND OTHER CHARACTERISTICS OF CERAMICS CRACK-TIP TRANSFORMATION ZONES OF  $\text{CoO}_2$ -STABILISED CREEP BEHAVIOUR OF ALUMINA, ZIRCONIA AND CRYSTALLISATION IN NANOSIZED SOL-DERIVED ZIRCONIA CRYSTALLISATION OF  $\text{Zr}$  HYDROXIDE TO  $\text{ZrO}_2$  AT OR BELOW DEFORMATION AND FRACTURE OF ZIRCONIA CERAMICS DEFORMATION BEHAVIOUR OF PARTIALLY STABILISED  $\text{ZrO}_2$  DEFORMATION CAPABILITY AND PROTECTIVE ROLE OF ZIRCONIA DENSITY DEPENDENCE OF BENDING STRENGTH AND VICKERS DETERMINATION OF OPTIMUM CONDITION IN PLASMA SPRAYING DETERMINATION OF THE ENERGY OF THE INTERACTIONS DETERMINATION OF THE MECHANICAL RESPONSE OF SINTERING DETERMINATION OF THE MONOCLINIC, TETRAGONAL AND CUBIC DEVELOPMENT OF SELF-HARDENING SLIP CASTING DIELECTRIC CERAMIC COMPOSITION FOR HIGH FREQUENCIES DIELECTRIC COATING FOR OZONE GENERATOR ELECTRODES DIFFERENTIATION BETWEEN PSEUDOCUBIC AND CUBIC PHASES DIFFUSION OF OXYGEN THROUGH YSZ IN THE PRESENCE OF DIFFUSION OF TRANSITION METAL ( $\text{Co}, \text{Ni}$ ) AND EFFECTS DIFFUSIONLESS CUBIC-TO-TETRAGONAL PHASE TRANSITION IN DIRECT COAGULATION CASTING - A NEW GREEN SHAPING DURABLE THERMAL BARRIER COATING EFFECT OF CALCINATION TEMPERATURE ON COBALT ADSORPTION EFFECT OF CONTACT SURFACES DURING FIRING OF  $\text{Mg-PSZ}$  EFFECT OF A DUPLEX STRUCTURE ON THE DETERMINATION OF EFFECT OF FERRIC OXIDE ON THE ELECTRICAL CONDUCTIVITY EFFECT OF HEAT TREATMENT ON GRAIN SIZE, PHASE EFFECT OF HEATING ON THE SURFACE FRACTAL DIMENSIONS OF EFFECT OF NiO PHASE FORMATION IN FUSED SPECIMENS OF EFFECT OF OXIDE IMPURITIES ON THE MICROSTRUCTURE AND EFFECT OF PARTICLE-DIAMETER RATIO OF YSZ TO NiO EFFECT OF PRE-M ON KINETICS OF ISOTHERMAL TETRAGONAL EFFECT OF PRE-M PHASE ON KINETICS OF ISOTHERMAL EFFECT OF SMALL AMOUNTS OF ADDITIVES ON THE SINTERING EFFECT OF STRESS AND TEMPERATURE ON FERROELASTIC EFFECT OF  $\text{TiO}_2$  ADDITIONS ON THE SINTERING AND EFFECTS OF HARDNESS AND FRACTURE TOUGHNESS OF TARGET EFFECTS OF MOULDING PRESSURE ON SINK-MAK DEFECTS OF EFFECTS OF SYNTHESIS PARAMETERS ON ELECTRICAL ELASTIC PROPERTIES OF ZIRCONIA MATRIX COMPOSITES WITH ELECTRICAL BEHAVIOUR OF DOUBLE LAYER ELECTROLYTES ELECTRICAL CONDUCTIVITY OF YTTRIA STABILISED ZIRCONIA ELECTROACOUSTIC AND RHEOLOGICAL PROPERTIES OF AQUEOUS ELECTROCHEMICAL BEHAVIOUR OF  $\text{Ni/YSZ}$  ELECTRODES ELECTROCHEMICAL SYNTHESIS AND THERMAL DECOMPOSITION OF ELECTRODE DESIGN FOR SOLID-STATE DEVICES, FUEL CELLS ELECTRON-BEAM-INDUCED LOOP FORMATION ON DISLOCATIONS ELECTRONIC CONDUCTIVITY AND IONIC DOMAIN OF TSP: ELECTROPHORETIC DEPOSITION OF COMPACTS OF NANOSIZED ENERGY METHOD TO EVALUATE TOUGHENING IN CERAMICS ENHANCED TOUGHNESS OF A PARTIALLY STABILISED ZIRCONIA EQUILIBRIUM PHASES SURROUNDING THE ALPHAZ  $\text{ZrO}_2$  SOLID EVALUATION OF THE PROPERTIES OF SOME KINDS OF EVO OF YSZ FILMS FROM OXIDE POWDERS AND CCM EXPANDING IN ZIRCONIA POWDER EXPERIMENTAL EVIDENCE FOR THREE PHASE BOUNDARY AS EXPERIMENTAL STUDY IN X-RAY SPECTROSCOPY OF THE FABRICATION AND MECHANICAL PROPERTIES OF  $\text{ZrO}_2$  SOLID FABRICATION OF GRIN MATERIALS BY PHOTOPOLYMERISATION FATIGUE LIFE AND FRACTURE MECHANISMS OF PECC- AND FERROELASTICITY OF THE DISPLACIVE TETRAGONAL PHASE IN FINE POWDER SYNTHESIS AND THE SINTERING FINELY DISPERSED POWDERS OF STABILISED ZIRCONIA WITH FORMATION OF COATING FILM BY MECHANICAL ALLOYING FORMATION OF HOLLOW SPHERICAL CERAMIC OXIDE PARTICLES FORMING OF SUPERPLASTIC ZIRCONIA FRICTION AND WEAR MECHANISM OF ZIRCONIA IN GENERATION OF PLASMA SPRAYED OXIDE COATINGS GRAIN SIZE DEPENDENCE OF THE TRANSFORMATION GRAIN SIZE DEPENDENCE RESIDUAL MICROSTRESSES IN GRAIN SIZE DEPENDENCE OF SLIDING WEAR IN TETRAGONAL GROWTH OF WHISKERED  $\text{ZrO}_2$  CRYSTALS BY HYDROTHERMAL HIERARCHY OF MICROMECHANICAL INFLUENCES ON FRICTION HIGH STRENGTH FULLY STABILISED ZIRCONIA FOR SOLID HIGH TEMPERATURE CREEP DEFORMATION OF 15 MOL% HIGH-TEMPERATURE  $\text{Mg-PSZ}$  OF FINE GRAINS CONTAINING TIC HIGH-TEMPERATURE IONIC CONDUCTION IN MULTICOMPONENT HREM STUDY OF THE TETRAGONAL/MONOCLINIC INTERFACIAL HYDROLYSIS-ASSISTED SOLIDIFICATION (HAS): A NEW HYDROTHERMAL PREPARATION OF NANOSIZED CUBIC  $\text{ZrO}_2$  HYDROTHERMAL SYNTHESIS AND SINTERING OF FINE POWERS HYDROTHERMAL SYNTHESIS OF ALUMINA-DOPED AND UNDOPED IMPEDANCE SPECTROSCOPY OF 4.7 MOL% Y-PSZ IMPROVED ENDURANCE LIMIT OF ZIRCONIA CERAMICS BY IMPROVEMENT OF THERMAL STABILITY AND FRACTURE IMPROVING ELECTRODE CONTACT IN A SMALL DIAMETER IN SITU DEPOSITION OF SILICALITE-1 ON  $\text{ZrO}_2$  FIBRES IN SITU SURFACE NITRIDATION OF  $\text{ZrO}_2$  CERAMICS INDENTATION RESISTANCE OF ZIRCONIA CERAMICS AND INDIA-STABILIZED ZIRCONIA COATING FOR COMPOSITES INDUCED-AIR CATALYTIC BURNER AND APPARATUS INFLUENCE OF AGEING ENVIRONMENT ON LOW-TEMPERATURE INFLUENCE OF CRYSTALLISATION AND WASHING MEDIUM ON THE INFLUENCE OF GRAIN SIZE ON THE OXYGEN ION CONDUCTIVITY INFLUENCE OF POROSITY ON FRICTION AND WEAR OF INFLUENCE OF REDUCING CONDITIONS ON THE MECHANICAL INFLUENCE OF A SMALL AMOUNT OF  $\text{Al}_2\text{O}_3$  ADDITION ON THE INFLUENCE OF THERMAL TREATMENT ON THE MECHANICAL INFLUENCE OF  $\text{TiO}_2$  ADDITION ON SINTERING INFLUENCES OF ELECTROCHEMICAL VAPOUR DEPOSIT INFLUENCES OF ELECTROCHEMICAL VAPOUR DEPOSITION INFLUENCES OF POWDER PREPARATION ROUTES ON THE INFRARED TRANSMISSION OF SINTERED 3 MOL%  $\text{ZrO}_2$ - $\text{ZrO}_2$  GEL IN-SITU INVESTIGATION ON THE CRITICAL PHASE IN-SITU SEM AND TEM CONTINUOUS OBSERVATIONS FOR INSULATED PROTECTIVE COATING DOPED WITH A MOBILE METAL INTERPHASE FORMATION BETWEEN YTTRIA-STABILISED INTERRELATION BETWEEN STRENGTH, FLAW SIZE INVESTIGATION OF THE CRYSTALLISATION OF  $\text{ZrO}_2$  ( $\text{Y}_2\text{O}_3$ ) 3 INVESTIGATION OF THE SINTERING PROCESS OF INJECTION IONIC AND ELECTRONIC CONDUCTIVITY IN TITANIA DOPED YSZ JOINING OF ZIRCONIA-TO-ZIRCONIA USING KINETIC AND THERMODYNAMIC STUDIES ON THE INCORPORATION KINETICS OF TETRAGONAL TO MONOCLINIC TRANSFORMATION LASER REMELTING PROCESS FOR PLASMA-SPRAYED ZIRCONIA LEAD-FREE GLASS FRITS FOR CERAMIC ENAMELS LOCAL STRUCTURE, THERMAL STABILITY AND OPTICAL LOW-TEMPERATURE FULLY DENSIFIED NANOSTRUCTURED Y-TZP LOW-TEMPERATURE SINTERING AND MICROSTRUCTURAL LOW-TEMPERATURE STABILISATION OF TETRAGONAL ZIRCONIA
- 76-05352C  
76-00760P  
76-08355A  
76-01589A  
76-01819A  
76-04083A  
76-08463A  
76-08464A  
76-08465A  
76-03837A  
76-01182C  
76-02260A  
76-04087A  
76-02493A  
76-04089A  
76-05837A  
76-04091C  
76-09219A  
76-08471A  
76-01593A  
76-00764P  
76-00766P  
76-08473A  
76-09148C  
76-01593A  
76-01892A  
76-01192C  
76-02230P  
76-08477A  
76-01465A  
76-06170A  
76-05374A  
76-01597A  
76-06116A  
76-06117A  
76-04098C  
76-00684A  
76-01598A  
76-01826A  
76-08481A  
76-01598A  
76-06122C  
76-02269A  
76-08152A  
76-08486A  
76-02262C  
76-07429C  
76-00691A  
76-06299A  
76-05390C  
76-08486A  
76-01686P  
76-04104A  
76-07431C  
76-01206C  
76-04770A  
76-01603A  
76-04325A  
76-08490A  
76-07432C  
76-03065C  
76-05388C  
76-06125A  
76-04109C  
76-06417C  
76-08490A  
76-06126A  
76-08496A  
76-08497A  
76-01212A  
76-01213A  
76-01215A  
76-04113A  
76-01216C  
76-01835A  
76-01609A  
76-04116A  
76-08774A  
76-08504C  
76-03063C  
76-08506C  
76-01949A  
76-07437A  
76-08512A  
76-03712A  
76-01479A  
76-06018A  
76-06019A  
76-00703A  
76-01612A  
76-04125A  
76-03065C  
76-01483A  
76-09016P  
76-08514A  
76-01695P  
76-02393P  
76-08516A  
76-01487A  
76-03068C  
76-08518A  
76-04127C  
76-08519A  
76-02886C  
76-00705A  
76-06443A  
76-08910A  
76-06155C  
76-01955A  
76-06133A  
76-08294A  
76-04213P  
76-05404A  
76-08521C  
76-01620A  
76-06135C  
76-03070C  
76-01233A  
76-06137A  
76-06139C  
76-02533P  
76-05120P  
76-09155C  
76-01624A  
76-01961A  
76-08526A
- MANGANESE OXIDE-ZIRCONIUM OXIDE SOLID SOLUTIONS, AN MECHANICAL AND ELECTRICAL CHARACTERISATION OF SOLID MECHANICAL HEART WITH WEAR-RESISTANT COATINGS OF MECHANICAL PROPERTIES OF ZIRCONIA-COATED 316L METASTABLE TETRAGONAL ZIRCONIA IN POROUS POWDER METHOD FOR FORMING A NONDEGRADING REFLECTIVE COATING METHODS FOR PREPARATION OF TETRAGONAL ZIRCONIA MICROPROCESSES OF PLASTIC DEFORMATION OF  $\text{ZrO}_2$ - $\text{Y}_2\text{O}_3$  MICROSTRUCTURAL DESIGN AND MECHANICAL PROPERTIES OF A MICROSTRUCTURAL DESIGN USING THE CORE-SHELL CONCEPT MICROSTRUCTURAL DEVELOPMENT DURING THE MICROWAVE MICROSTRUCTURE AND ELECTRICAL CONDUCTIVITY OF MICROSTRUCTURE AND MECHANICAL BEHAVIOUR OF 3Y-TZP-MgO MICROSTRUCTURE BLOCKING EFFECTS VERSUS EFFECTIVE MICROWAVE SINTERING OF  $\text{ZrO}_2$ - $\text{Y}_2\text{O}_3$  WITH MIXED POTENTIAL HYDROGEN SENSOR COMBINING OXIDE ION MODELLING OF DEPARAFFINATION OF INJECTION MOULDED MONOCLINIC PHASE MEASUREMENT IN  $\text{Mg-PSZ}$  USING X-RAY MONTE CARLO SIMULATIONS OF CONDUCTIVITY OF COMPOSITE MORPHOLOGIES OF MONOCLINIC PHASE IN  $\text{ZrO}_2$  (2 MOL%  $\text{Y}_2\text{O}_3$ ) NATURE OF ELECTRONIC DEFECTS IN YTTRIA-STABILISED NET-SHAPING OF CERAMIC GREEN PARTS BY HYDROLYSIS NEUTRON DIFFRACTION OBSERVATIONS OF FERROELASTIC NEW APPLICATIONS OF CERAMIC MEMBRANES IN CHEMICAL APPROACH OF ZIRCONIA WHISKER REINFORCED COMPOSITES NEW ASPECTS OF THE TETRAGONAL PHASE FORMATION IN THE NEW DEVELOPMENTS IN THERMAL BARRIER COATINGS (TBC) FOR NEW Y-TZP POWDERS FOR MEDICAL GRADE ZIRCONIA NITRIDATION OF ZIRCONIA NONSTOICHIOMETRY OF ZIRCONIA NOVAT METHOD FOR ZIRCONIUM OXIDE SYNTHESIS FROM NOVEL PREPARATION OF CALCIA FULLY STABILISED ZIRCONIA OHMIC RESISTANCE OF THE ELECTRODE-ELECTROLYTE ON THE BRITTLE-TO-DUCTILE TRANSITION OF Y-PSZ SINGLE OPTICAL ABSORPTION AND LUMINESCENCE OF SINGLE OPTICAL PROPERTIES AND STRESS OF MAGNETRON OPTICAL STRUCTURAL ELEMENT, METHOD FOR THE PRODUCTION OPTIMISATION OF CERAMIC SLURRIES BY ESA MEASUREMENT OPTIMISATION OF DISPERSION AND VISCOSITY OF A CERAMIC OXIDE FILM AND STEAM REFORMING OF  $\text{CH}_4$  ON Ni AND Fe OXIDE FILMS AND NANO-SIZED POWDERS FABRICATED BY OXYGEN PERMEATION IN  $\text{ZrO}_2$ - $\text{CoO}$ - $\text{CaO}$  FOR THE APPLICATION PHASE STABILITY AND ISOTHERMAL PHASE TRANSFORMATION OF PHASE TRANSFORMATIONS IN THE TERNARY SYSTEMS PHOTOACUSTIC THERMAL CHARACTERISATION OF POLYMER-BASED THERMAL CHARACTERISATION OF POLYMER-BASED PLASTIC EXTRUSION FORMING OF NANOMETRE SIZE TETRAGONAL PLASTICITY OF NANOCRYSTALLINE ZIRCONIA CERAMICS AND PLAUSIBLE ROLE OF POINT DEFECTS IN THE SOLID-STATE POROSITY DEVELOPMENT IN CERAMIC INJECTION MOULDINGS PREPARATION OF COMPOSITE MATERIALS FOR THERMAL CERAMIC POWDER PREPARATION AND PROPERTIES OF  $\text{Nb}_2\text{O}_5$  AND  $\text{Ta}_2\text{O}_5$  PREPARATION AND CHARACTERISATION OF YTTRIA-STABILISED PREPARATION AND CHARACTERISATION OF  $\text{ZrO}_2$  ELECTROLYTES PREPARATION AND PROPERTIES OF CERAMICS IN THE PREPARATION OF HIGH-STRENGTH  $\text{Mg-Y}$ -PARTIAL PREPARATION OF HOLLOW CUBIC ZIRCONIA FIBRE BY PREPARATION OF  $\text{MgO-ZrO}_2$  FROM MOLTEN SALTS PREPARATION OF  $\text{NiO/YSZ}$  ULTRA-FINE POWDER COMPOSITES PREPARATION OF PURE AND DOPED ZIRCONIA POWDERS AND PREPARATION OF SINTERED ZIRCONIA BODY PREPARATION OF SPHERICAL YTTRIA-STABILISED ZIRCONIA PREPARATION OF TETRAGONAL ZIRCONIA CERAMICS IN PREPARATION OF ZIRCONIA POWDERS FROM MOLYBDEN NITRIDES PREPARATION OF ZIRCONIA THIN FILMS BY METALLOORGANIC PREPARATION OF  $\text{ZrO}_2$ - $\text{Al}_2\text{O}_3$  POWDER BY THERMAL PROBLEM OF EVALUATING THE CRACK RESISTANCE IN CERAMICS PROCESS FOR FORMING A MULTITE-ZIRCONIA ENGINE PART PROCESS FOR PRODUCTION OF ALUMINA/ZIRCONIA MATERIALS PROCESS IMPROVEMENT DURING CUP BY SUPERPOSITIONING PROCESSING AND TRANSPORT PROPERTIES OF DOUBLE LAYER PROCESSING, MECHANICAL AND ELECTRICAL CHARACTERISATION PRODUCTION AND CHARACTERISATION OF SOL-GEL DERIVED PRODUCTION OF DEFECT-POOR NANOSTRUCTURED CERAMICS OF PROPERTIES OF SLIPS OF ZIRCONIA STABILISED BY OXIDES QUANTITATIVE PHASE ANALYSIS IN TETRAGONAL-RICH RADIOGRAPHIC ANALYSIS OF  $\text{ZrO}_2$  POLYMORPHOUS POWDERS RAMAN SPECTROSCOPIC CHARACTERISATION OF  $\text{ZrO}_2$  AND RARE-EARTH DOPED ZIRCONIA FIBRES BY SOL-GEL PROCESSING R-CURVE DETERMINATION OF 3Y-PSZ BY THE INDENTATION REACTIVE COATING OF ZIRCON ON MULLITE AND PREPARATION OF MATERIALS CONTAINING TETRAGONAL REGULATION OF SINTERING TEMPERATURE OF ZIRCONIA-BASED RELATION BETWEEN OXYGEN VACANCY AND FERROELASTIC RELATION BETWEEN PREPARATION, MICROSTRUCTURE AND REVIEW OF ZIRCONIA SOL-GEL SYSTEMS FOR PRODUCTION OF RARE-EARTH DOPED ZIRCONIA SLIPS ROLE OF OXYGEN PHONONS IN THE MARTENSITIC PHASE SALT EFFECT AND POLYMER LEAK IN SELECTIVE REDUCTION OF NITROGEN OXIDE WITH PROPYLENE SIMPLE METHOD FOR THE PREPARATION OF PLASMA-SPRAYABLE SINTER-FORGING OF NANOCRYSTALLINE ZIRCONIA, PT.1 SINTERING AND GRAIN GROWTH OF 3 MOL% YTTRIA ZIRCONIA SINTERING AND MICROSTRUCTURE OF  $\text{Al}_2\text{O}_3$ - $\text{ZrO}_2$  CERAMICS SINTERING BEHAVIOUR AND APPLICATION OF  $\text{Mg-PSZ}$  CERAMIC SINTERING BEHAVIOUR OF ( $\text{Y}_2\text{O}_3$ - $\text{ZrO}_2$  GELS) SINTERING, MICROSTRUCTURE AND MECHANICAL PROPERTIES OF SINTERING OF  $\text{ZrO}_2$ - $\text{CaO}$ ,  $\text{ZrO}_2$ - $\text{MgO}$   $\text{ZrO}_2$ - $\text{CaO}$  SINTERING STUDIES OF NANOPHASE CERAMIC OXIDES USING SIZE AND CHARGE EFFECTS OF DOPANT M ON THE UNIT-CELL SLAGLINE WEAR DEF GRAPHITE-BONDED ZIRCONIA SENS SINTERING AND WEAR OF CERAMICS SOFC COGENERATION SYSTEM BUILT FROM 2 mm DIAMETER SOL-GEL ZIRCONIA COATINGS AIMED AT DUST SUPPRESSION IN SOLID SOLUTIONS OF METASTABLE TETRAGONAL  $\text{ZrO}_2$  AND SOLID STATE ELECTROCHEMICAL OXYGEN COMPRESSOR SOLID-STATE FUEL CELLS BASED ON ZIRCONIA SOLID-STATE DIFFUSIVE AMORPHISATION IN  $\text{TiO}_2$ - $\text{ZrO}_2$  SOLID-STATE OXYGEN SENSOR SOME SIGNIFICANT ADVANCES IN SOL-GEL PROCESSING OF SPECTROSCOPIC AND MICROSTRUCTURAL ANALYSIS OF PHASE STABILISATION OF ZIRCONIUM SUPEROXIDES OF ZIRCONIA STABILISATION OF ZIRCONIUM DIOXIDE IN THE TERNARY STABILISED  $\text{ZrO}_2$  STABLE AND METASTABLE PHASE RELATIONS IN THE SYSTEM STRENGTH AND FRACTURE OF PARTIALLY STABILISED ZIRCONIA STRUCTURAL AND THERMAL CHARACTERISATION OF ZIRCONIA CERAMICS STRENGTHENING OF ZIRCONIA-TOUGHENED MATERIALS BY GRIT STRUCTURE AND ELECTRICAL CHARACTERISATION OF 3Y-TZP STUDY OF THE ORDER-DISORDER TRANSITION IN STUDY OF THE RESIDUAL STRESS FIELD AROUND VICKERS STUDY ON FABRICATION OF  $\text{Al}_2\text{O}_3$ - $\text{ZrO}_2$  CERAMIC MEMBRANES SUBCRITICAL CRACK GROWTH AND THRESHOLDS IN A 3Y-TZP SUBSOLIDUS PHASE RELATIONSHIPS IN THE  $\text{ZrO}_2$ -RICH PART
- 76-01627A  
76-00710A  
76-00169P  
76-02056A  
76-06144C  
76-01701P  
76-02131P  
76-08531C  
76-04139C  
76-06117C  
76-08532A  
76-07448A  
76-00116A  
76-09178A  
76-01968A  
76-03079A  
76-06147C  
76-01632A  
76-00713A  
76-01968A  
76-03081C  
76-05878C  
76-08543A  
76-08544C  
76-02201A  
76-06149C  
76-08546A  
76-06150A  
76-04141A  
76-02201A  
76-04142A  
76-01509A  
76-00722A  
76-02296A  
76-08533A  
76-04383A  
76-01899P  
76-06306C  
76-08536A  
76-02758A  
76-04722C  
76-09160C  
76-08552A  
76-06310C  
76-08553A  
76-08554A  
76-01515A  
76-08555A  
76-05937A  
76-08199A  
76-08564A  
76-06153C  
76-08397A  
76-03086C  
76-06154A  
76-08565A  
76-08400C  
76-01520A  
76-08937A  
76-06054A  
76-08566A  
76-08564A  
76-08565A  
76-04010A  
76-08564A  
76-04011C  
76-09261A  
76-06723P  
76-02159P  
76-05888C  
76-08567A  
76-03091C  
76-03756A  
76-08567A  
76-00728A  
76-08570A  
76-06941A  
76-05439C  
76-06063A  
76-09263A  
76-08573A  
76-08574A  
76-06511A  
76-08842A  
76-04158A  
76-03765A  
76-08579A  
76-04160C  
76-02001A  
76-06166A  
76-08580A  
76-04162A  
76-06168A  
76-00523C  
76-01536A  
76-04163A  
76-06170C  
76-01647A  
76-02224C  
76-08582A  
76-07340A  
76-02304A  
76-05445C  
76-02015A  
76-03100A  
76-08584C  
76-07527P  
76-01855A  
76-01716P  
76-01293A  
76-06075A  
76-03764A  
76-08791A  
76-09131P  
76-08792A  
76-08585C  
76-08586A  
76-08216A  
76-08848A  
76-04837C  
76-00738A  
76-01652A  
76-08587A  
76-08588A  
76-08794A

- (SUPER) PLASTICITY OF NANOCRYSTALLINE ZIRCONIA SURFACE AND GRAIN-BOUNDARY ENERGIES IN SURFACE AND INTERFACE PROPERTIES OF OXIDES EXHIBITING SURFACE REACTIVITY AND BULK PROPERTIES OF  $ZrO_2$ ,  $Pt_2$ , SURFACE REACTIVITY AND BULK PROPERTIES OF  $ZrO_2$ ,  $Pt_2$ , SYNTHESIS AND CHARACTERISATION OF  $CeO_2$ -STABILISED  $ZrO_2$  SYNTHESIS AND CHARACTERISATION OF NOVEL SYNTHESIS AND CHARACTERISATION OF  $Y_2O_3$ - $ZrO_2$  AND SYNTHESIS AND CHARACTERISATION OF  $Y_2O_3$ -STABILISED SYNTHESIS OF MESOPOROUS ZIRCONIA USING AN AMPHOTERIC SYNTHESIS OF METASTABLE TETRAGONAL ( $T'$ ) SYNTHESIS OF ULTRAFINE POWDERS WITH MULLITE-ZIRCONIA SYNTHESIS OF  $Y_2O_3$ -STABILISED ZIRCONIA NANOPARTICLES SYNTHESIS OF  $ZrO_2$ - $Al_2O_3$  ULTRAFINES, COMPOSITES AND TEM STUDY OF THE SURFACE MORPHOLOGY OF EXTRACTED TESTING OF SOFC MEMBRANES VIA A BIAxIAL STRENGTH AND TETRAGONAL TO MONOCLINIC TRANSFORMATION AND THEORY AND SIMULATION OF SOLID-ELECTROLYTE WIDE-RANGE THERMAL CRACK INITIATION MECHANISMS ON THE SURFACE OF THERMAL EVOLUTION OF SOL-GEL DERIVED ZIRCONIA AND THERMAL SHOCK RESISTANCE OF ZIRCONIA MATERIALS THERMAL STRESS RELAXATION TYPE CERAMIC COATED THERMALLY SPLIT ZIRCONIUM SILICATE, METHOD OF ITS THERMODYNAMIC ANALYSIS OF CERAMIC OXIDE/LIQUID METAL THERMOMECHANICAL AND MICROSTRUCTURAL EVALUATION OF TIME-RESOLVED SPECTROSCOPY OF THE LUMINESCENCE IN ULTRAFINE  $Y_2O_3$ -STABILISED ZIRCONIA POWDERS PREPARED ULTRA-HARD MATERIALS FIND ROLE IN INNOVATIVE WATCH ULTRASONIC COMPACTING OF ZIRCONIUM CERAMICS FROM USE OF ULTRASOUND TO OPTIMISE YSZ CERAMIC POWDER WATER RESISTANT CERAMIC ARTICLES WHISKER-REINFORCED CERAMIC MATERIAL X-RAY PHOTOELECTRON SPECTROSCOPY INVESTIGATION ON THE YELLOW/ORANGE PIGMENTS COMPRISING ZIRCONIUM OXIDE AND YIELD STRESS OF ALUMINA-ZIRCONIA SUSPENSIONS YOUNG'S MODULUS, FLEXURAL STRENGTH, AND FRACTURE OF YSZ-THIN-FILM ELECTROLYTE FOR LOW-TEMPERATURE SOLID  $Y_2O_3$ -STABILISED ZIRCONIA ( $Y_2O_3$ ) FOR BIOMEDICAL Y-TZP ZIRCONIA CERAMIC HIP JOINT HEADS, KEY-ISSUES ZIRCONIA AEROGELS: EFFECT OF ACID USED IN THE SOL-GEL ZIRCONIA BASED CERAMIC MATERIAL ZIRCONIA BATTERY SEPARATORS: THEIR MANUFACTURE AND ZIRCONIA BIOCOMPATIBILITY FOR FEMORAL HIP PROSTHESIS ZIRCONIA CRYSTALS WITH YTTRIUM AND CERIUM OXIDES ZIRCONIA: A NEW ROLLER BEARING MATERIAL? ZIRCONIA SOL-GEL COATINGS DEPOSITED ON 304 AND 316L ZIRCONIA-BASED STRUCTURAL MATERIALS UNDER CONDITIONS ZIRCONIA-YTTRIA GRANULES SPRAY DRIED FROM WATER AND ZIRCONIUM OXIDE AND ZIRCONIUM NITRIDE COATED CATHETERS ZIRCONIUM OXIDE AND ZIRCONIUM NITRIDE COATED GUIDE ZIRCONIUM OXIDE AND ZIRCONIUM NITRIDE COATED ZIRCONIUM OXIDE AND ZIRCONIUM NITRIDE COATED STENTS ZIRCONIUM OXIDE AND ZIRCONIUM NITRIDE COATED VASCULAR ZIRCONIUM OXIDE ZIRCONIUM NITRIDE COATED VALVULAR ZIRCONIUM/CERIUM MIXED OXIDE CATALYST, CATALYST SUPPORT  $ZrO_2$  POWDER SYNTHESIS BY CONTROLLED HYDROLYSIS OF  $ZrO_2$ -BASED SINTER, PROCESS FOR PRODUCING THE SAME  $ZrO_2$ - $CeO_2$  ALLOYS AS CANDIDATE STRUCTURAL MATERIALS FOR ZIRCONIUM HIGH  $Er(III)$  CONTENT ZBN GLASSES FOR MICROCHIP LASER NEW PHOSPHANYL-SUBSTITUTED TITANIUM AND ZIRCONIUM
- 76-02018C  
76-03104A  
76-03105C  
76-04176A  
76-04177A  
76-00741A  
76-04507A  
76-04033A  
76-06081A  
76-06531C  
76-04180A  
76-08597A  
76-06176A  
76-06960A  
76-06088A  
76-03110C  
76-06178A  
76-03111A  
76-02305A  
76-04184A  
76-08601C  
76-05308P  
76-06783P  
76-08603A  
76-01659A  
76-08806C  
76-01661A  
76-09281A  
76-05903A  
76-05904A  
76-01720P  
76-06791P  
76-04196A  
76-00662P  
76-04355A  
76-09278A  
76-05469C  
76-04197C  
76-04198C  
76-01569A  
76-06206P  
76-03115A  
76-04199C  
76-01663A  
76-08613A  
76-08820A  
76-04200A  
76-02036C  
76-07051P  
76-04694P  
76-06207P  
76-07052P  
76-06208P  
76-06209P  
76-06794P  
76-01570A  
76-09147P  
76-08614A  
76-07132C  
76-06471C
- PHOSPHOR WITH AN ADDITIVE FOR REDUCING AFTERGLOW PREPARATION AND PROPERTIES OF GLASSES BASED ON THE PRODUCTION OF DIELECTRIC CERAMIC MATERIAL POWDER STRUCTURE OF  $Zr/Ba/Na$  FLUORIDE GLASS USING MOLECULAR STUDY OF CRYSTALLINE-PHASE FORMATION IN WHITE SYNTHESIS AND TEMPERATURE PROFILE ANALYSIS OF  $ZrC$  BY THERMALLY SPLIT ZIRCONIUM SILICATE, METHOD OF ITS ZIRCONIUM BORIDE ELECTRICAL DISCHARGE MACHINING OF  $ZrB_2$ -BASED CERAMICS SELF-PROPAGATING HIGH-TEMPERATURE SYNTHESIS FLAMMABLE SINTERING OF ZIRCONIUM DIBORIDE THROUGH  $Fe$ -BASED ZIRCONIUM CARBIDE METHOD OF MAKING SUBSTRATES FOR THE GROWTH OF MICROSTRUCTURAL OBSERVATION OF THE  $ZrC/ZrO_2$  INTERFACE PREPARATION OF MICRO-COILED  $ZrC$  FIBRES BY VAPOUR PHASE ZIRCONIUM NITRIDE FORMATION OF ZIRCONIUM NITRIDE VIA MECHANOCHEMICAL IN SITU SURFACE NITRIDATION OF  $ZrO_2$  CERAMICS INFLUENCE OF THE COMPOSITION OF GAS MIXTURE ON THE MECHANICAL HEART WITH WEAR-RESISTANT COATINGS OF SHORT-RANGE ORDER IN SOLID SOLUTIONS OF NITROGEN IN STRUCTURAL STUDIES OF  $TiN/ZrN$  MULTILAYER COATING SUBSOLIDUS PHASE RELATIONSHIPS IN THE  $ZrO_2$ -RICH PART ZIRCONIUM OXIDE AND ZIRCONIUM NITRIDE COATED CATHETERS ZIRCONIUM OXIDE AND ZIRCONIUM NITRIDE COATED GUIDE ZIRCONIUM OXIDE AND ZIRCONIUM NITRIDE COATED ZIRCONIUM OXIDE AND ZIRCONIUM NITRIDE COATED STENTS ZIRCONIUM OXIDE AND ZIRCONIUM NITRIDE COATED VASCULAR ZIRCONIUM OXIDE ZIRCONIUM NITRIDE COATED VALVULAR ZIRCONIUM OXYNITRIDE NITRIDATION OF ZIRCONIA ZIRCONIUM PROPOXIDE CHEMICAL MODIFICATION OF POROUS GLASS USING ZIRCONIUM ZIRCONIUM TIN TITANATE EFFECTS OF DOPANTS AND OXYGEN VACANCIES ON THE EFFECTS OF  $WO_3$  ADDITION ON THE MICROWAVE DIELECTRIC INFLUENCE OF COOLING RATE ON THE PHYSICAL PROPERTIES ZIRCONIUM TITANATE CATHODIC ELECTROSYNTHESIS OF CERAMIC DEPOSITS CERAMIC FIBRES FOR FUNCTIONAL COMPOSITE MATERIALS INORGANIC SOL GEL SYNTHESIS OF ZIRCONIUM TITANATE MICROSTRUCTURE AND MICROWAVE DIELECTRIC PROPERTIES OF MICROWAVE DIELECTRIC CERAMICS IN THE SYSTEM RELATIONSHIP BETWEEN THE MICROSTRUCTURE AND MICROWAVE SOLID-STATE DIFFUSIVE AMORPHISATION IN  $TiO_2/ZrO_2$  VOLTAGE-CONTROLLED CAPACITOR FOR WIDE-BAND TUNING ZIRCONYL PHOSPHATE EFFECT OF ADDITIVES ON THERMAL STABILITY OF ZIRCONYL ZONE MELTING DETERMINATION OF THE PHASE DIAGRAM BY THE SLOW COOLING INFLUENCES OF OXYGEN PARTIAL PRESSURE ON YBCO GRAIN
- 76-00860P  
76-07154C  
76-00790P  
76-07100C  
76-07395A  
76-01787A  
76-06783P  
76-01204A  
76-04831A  
76-08725A  
76-09067P  
76-08696A  
76-01982A  
76-04255A  
76-09016P  
76-01759A  
76-00169P  
76-01782A  
76-04399A  
76-08794A  
76-07051P  
76-04694P  
76-06207P  
76-07052P  
76-06208P  
76-06209P  
76-04141A  
76-05169A  
76-00686C  
76-05653A  
76-00925A  
76-01579A  
76-05972C  
76-03973A  
76-07939A  
76-07941C  
76-00966A  
76-01855A  
76-00749C  
76-08475C  
76-08766A  
76-08046A